

Engineering Sciences

JAN 13 '77

Branch Library

WIND ENGINEERING STUDY OF
FLUOR CORPORATE HEADQUARTERS
IRVINE, CALIFORNIA

by

J. A. Peterka* and J. E. Cermak**

for

Welton Becket & Associates
10000 Santa Monica Boulevard
Los Angeles, California 90067

Fluid Mechanics and Wind Engineering Program
Fluid Dynamics and Diffusion Laboratory
Department of Civil Engineering
Colorado State University
Fort Collins, Colorado 80523
December 1976

*Associate Professor
**Professor-in-Charge, Fluid Mechanics
and Wind Engineering Program



U18401 0074548

CER76-77JAP-JEC25

ACKNOWLEDGMENTS

Support for this investigation was provided by Welton Becket and Associates. Construction of the building model was accomplished by personnel of the Engineering Research Center Machine Shop.

Mr. James A. Garrison made the motion pictures of flow visualization.

Mr. M. Petago supervised pressure-data acquisition and reduction.

Velocity measurements were made by Mr. P. Kelly.

TABLE OF CONTENTS

| <u>Chapter</u> | | <u>Page</u> |
|----------------|---|-------------|
| | ACKNOWLEDGMENTS | ii |
| | LIST OF TABLES | iv |
| | LIST OF FIGURES | v |
| | LIST OF SYMBOLS | vi |
| I | INTRODUCTION | 1 |
| | 1.1 General | 1 |
| | 1.2 The Fluor Corporate Headquarters Building | 2 |
| II | EXPERIMENTAL CONFIGURATION | 3 |
| | 2.1 Wind Tunnel | 3 |
| | 2.2 Model | 3 |
| III | INSTRUMENTATION AND DATA ACQUISITION | 5 |
| | 3.1 Flow Visualization | 5 |
| | 3.2 Pressures | 5 |
| | 3.3 Velocity | 7 |
| IV | RESULTS | 9 |
| | 4.1 Flow Visualization | 9 |
| | 4.2 Velocity | 9 |
| | 4.3 Pressures | 10 |
| V | CONCLUSIONS | 16 |
| | REFERENCES | 17 |
| | TABLES | 19 |
| | APPENDIX A | 24 |
| | FIGURES | 117 |

LIST OF TABLES

| <u>Table</u> | | <u>Page</u> |
|--------------|--|-------------|
| 1 | MOTION PICTURE SCENE GUIDE | 19 |
| 2 | MEAN AND FLUCTUATING VELOCITIES AROUND THE BASE OF THE BUILDING | 20 |
| 3 | LOS ANGELES WIND DATA | 24 |
| 4 | PROBABILITY DISTRIBUTIONS FOR WINDS | 25 |
| 5 | SUMMARY OF WIND EFFECTS ON PEOPLE | 29 |
| 6 | LARGEST PRESSURE COEFFICIENTS | 30 |
| 7 | LARGEST PRESSURE LOADS | 37 |

LIST OF FIGURES

| <u>Figure</u> | | <u>Page</u> |
|---------------|--|-------------|
| 1 | Fluor Headquarters Complex | 117 |
| 2 | Industrial Aerodynamics Wind Tunnel | 118 |
| 3 | Pressure Tap Locations | 119 |
| 4 | Completed Model | 127 |
| 5 | Data Sampling Time Verification | 128 |
| 6 | Measurement Locations for Pedestrian Winds | 129 |
| 7 | Velocity and Turbulence Profiles Approaching the Model | 130 |
| 8 | Mean Velocity and Turbulence Intensity at Sites 1 and 2 | 131 |
| 9 | Mean Velocity and Turbulence Intensity at Sites 3 and 4 | 132 |
| 10 | Mean Velocity and Turbulence Intensity at Sites 5 and 6 | 133 |
| 11 | Mean Velocity and Turbulence Intensity at Sites 7 and 8 | 134 |
| 12 | Mean Velocity and Turbulence Intensity at Sites 9 and 10 | 135 |
| 13 | Mean Velocity and Turbulence Intensity at Sites 11 and 12 | 136 |
| 14 | Mean Velocity and Turbulence Intensity at Sites 13 and 14 | 137 |
| 15 | Mean Velocity and Turbulence Intensity at Site 15 | 138 |
| 16 | Wind Velocity Probabilities for Sites 1-5 | 139 |
| 17 | Wind Velocity Probabilities for Sites 6-10 | 140 |
| 18 | Wind Velocity Probabilities for Sites 11-15 | 141 |
| 19 | Peak-Pressure Contours on the Building | 142 |

LIST OF SYMBOLS

| <u>Symbol</u> | <u>Definition</u> |
|------------------|--|
| U | Local mean velocity |
| D | Characteristic dimension (building height, width, etc.) |
| ν | Kinematic viscosity of approach flow |
| $\frac{UD}{\nu}$ | Reynolds number |
| E | Mean voltage |
| A | Constant |
| B | Constant |
| n | Constant |
| U_{rms} | Root-mean-square of fluctuating velocity |
| E_{rms} | Root-mean-square of fluctuating voltage |
| U_{∞} | Reference mean velocity outside the boundary layer |
| X, Y | Horizontal coordinates |
| Z | Height above surface |
| δ | Height of boundary layer |
| T_u | Turbulence intensity $\frac{U_{rms}}{U_{\infty}}$ or $\frac{U_{rms}}{U}$ |
| $C_{p_{mean}}$ | Mean pressure coefficient $\frac{(p-p_{\infty})_{mean}}{\frac{1}{2} \rho U_{\infty}^2}$ |
| $C_{p_{rms}}$ | Root-mean-square pressure coefficient $\frac{((p-p_{\infty}) - (p-p_{\infty})_{mean})_{rms}}{\frac{1}{2} \rho U_{\infty}^2}$ |
| $C_{p_{max}}$ | Peak maximum pressure coefficient $\frac{(p-p_{\infty})_{max}}{\frac{1}{2} \rho U_{\infty}^2}$ |
| $C_{p_{min}}$ | Peak minimum pressure coefficient $\frac{(p-p_{\infty})_{min}}{\frac{1}{2} \rho U_{\infty}^2}$ |
| ρ | Density of approach flow |

SymbolDefinition

| | |
|--------------|---|
| $()_{\min}$ | Minimum value during data record |
| $()_{\max}$ | Maximum value during data record |
| p | Fluctuating pressure at a pressure tap on the structure |
| p_{∞} | Static pressure in the wind tunnel above the model |

1. INTRODUCTION

1.1 General

A significant characteristic of modern building design is lighter cladding and more flexible frames. These features produce an increased vulnerability of glass lights and cladding to wind damage and larger total building deflection. In addition, increased use of pedestrian plazas has brought about a need to consider wind and gustiness in the design of these areas. Techniques have been developed during the past decade for wind tunnel modeling of proposed structures which allow the prediction of wind pressures on cladding and wind environment about the building. Knowledge of pressures on the structure permits adequate but economical selection of window strength to meet selected maximum design winds and overall wind loads for design of frame for flexural control. Information on sidewalk-level gustiness allows plaza areas to be protected by design changes before the structure is constructed.

Modeling the aerodynamic loading on a structure requires special consideration of flow conditions in order to guarantee similitude between model and prototype. A detailed discussion of the similarity requirements and their wind tunnel implementation can be found in References [1], [2], and [3]. In general, the requirements are that the model and prototype be scaled in geometry, that the approach mean velocity at the building site have a vertical profile shape similar to the full-scale flow, that the turbulence characteristics of the flows be similar, and that the Reynolds number for the model and prototype be equal.

These criteria are satisfied by constructing a scale model of the structure and its surroundings and performing the wind tests in a wind

tunnel specifically designed to model atmospheric boundary-layer flows. Reynolds number similarity requires that the quantity UD/ν be similar for model and prototype. Since ν , the kinematic viscosity of air, is identical for both, Reynolds numbers cannot be made precisely equal with reasonable wind velocities. Wind velocity in the wind tunnel would have to be the model scale factor times the prototype wind. However, for sufficiently high Reynolds number ($> 2 \times 10^4$) a pressure coefficient at any location on the structure will be essentially constant with Reynolds number. Typical values encountered are 10^7 to 10^8 for the full-scale and 10^5 to 10^6 for the wind tunnel model. Thus acceptable flow similarity is achieved without precise Reynolds number equality.

1.2 The Fluor Corporate Headquarters Building

A wind engineering study was performed for the proposed Fluor Corporate Headquarters building in Irvine, California. The 155 ft high building was modeled (Figure 4) at a 1:200 scale. The objectives of the wind engineering study were to obtain mean and fluctuating pressures on the building, and wind velocity and gustiness in the area adjacent to the structure. In addition, a flow visualization study was performed to define overall flow patterns and regions where local flow features might cause difficulties in panel loading or pedestrian discomfort.

The Fluor Corporate Headquarters building will be located in Irvine, California in flat open terrain. The area immediately adjacent to the building is open except for a large low structure lying to the east (Figure 1). The areas farther from the structure are typical of suburban areas.

2. EXPERIMENTAL CONFIGURATION

2.1 Wind Tunnel

The wind-engineering study was performed in the Industrial Aerodynamics Wind Tunnel located in the Fluid Dynamics and Diffusion Laboratory at Colorado State University (Figure 2). The tunnel is a closed circuit facility driven by a 75 hp variable-pitch propeller. The test section is nominally 6 ft square and 62 feet long fed through a 4-to-1 contraction ratio. The roof is adjustable to maintain a zero pressure gradient along the test section. The mean velocity can be adjusted continuously from 1 to 65 fps.

2.2 Model

In order to obtain an accurate assessment of local pressures using piezometer taps, the model was constructed to the largest scale that would not produce significant blockage in the wind tunnel. A 1:200 scale model of the Fluor Corporate Headquarters building was constructed from 1/2 in. Lucite plastic. Piezometer taps (1/16 in. dia) were drilled normal to the exterior surface at 342 locations on the building. The location of the taps on the structure is shown in Figures 3a to 3h. Dimensions and elevations are given both in full-scale feet and model inches.

An area of approximately 1400 ft radius surrounding the building site was modeled in detail. The low structure attached to the octagonal building was modeled from styrofoam. A portion of the connecting passage between the structures was modeled from Lucite so that pressure taps could be installed. The Headquarters building was mounted on a 63 in. diameter turntable centered 55 ft from the test-section entrance. The turntable indicated azimuthal orientation to ± 0.1 degree.

The region upstream from the modeled area was covered with a randomized roughness constructed from 1 in. cubes to simulate the surrounding suburban area. Spires at the test section entrance provided a thicker boundary layer than would otherwise be available. The distribution of 1 in. roughness was designed to provide a boundary-layer thickness of approximately 4 ft, a velocity profile power-law exponent similar to that for the surrounding area, and a logarithmic velocity profile with a realistic roughness length. A photograph of the complete model is shown in Figure 4. The wind tunnel ceiling was adjusted after placement of the model to obtain a zero pressure gradient along the test section.

3. INSTRUMENTATION AND DATA ACQUISITION

3.1 Flow Visualization

Visualization of the flow in the vicinity of the model is helpful in understanding and interpreting mean and fluctuating pressures, in defining zones of separated flow and reattachment where pressure coefficients may be expected to be high, and in indicating areas where pedestrian discomfort may be a problem. Titanium tetrachloride smoke was released from sources on and near the model and motion picture records made. Conclusions obtained from these smoke studies are discussed in section 4.1.

3.2 Pressures

Mean and fluctuating pressures were obtained at each of the 342 pressure ports on the wind tunnel model. Data was obtained for 24 wind directions (15 degree intervals). An 18 in. length of 1/16 in. I.D. plastic tubing connected 76 pressure ports on the model at a time to an 80 tap pressure switch mounted inside the model. The switch was designed and fabricated in the Fluid Dynamics and Diffusion Laboratory to minimize the attenuation of pressure fluctuations across the switch. Each of the 76 measurement ports was directed in turn by the switch to one of four pressure transducers mounted close to the switch. The switch was operated manually by means of a shaft projecting through the floor of the wind tunnel. A mechanical indexing feature locked the switch into each of the 20 required positions while a potentiometer provided an indication of the switch position on a digital voltmeter. The four pressure taps on the switch not used for transmitting building pressures were connected to a common tube leading outside the wind tunnel. This arrangement provided both a means of performing in-place

calibration of the transducers and, by connecting this tube to a pitot tube placed in the wind tunnel, a means of automatically monitoring the tunnel speed using this valve position.

The pressure transducers used were Statham differential strain-gage transducers (Model PM283TC) with a 0.15 psid range. They were selected for the stability and linearity in the working range required. The resonant frequency of the transducers was approximately 2,000 Hz so that resonance effects could be ignored. A reference pressure was obtained by connecting the reference side of the transducer with plastic tubing to the static side of a pitot tube mounted in the wind tunnel free stream above the model building. In this way the transducer measured the instantaneous difference between the local surface pressure and the static pressure in the free stream above the model.

Each pressure transducer bridge was monitored by a Honeywell Accudata 118 Gage Control/Amplifier unit which provided excitation to the transducer bridge and amplified the bridge output. These instruments are characterized by a very stable excitation voltage and amplifier gain. Output from the Honeywell signal conditioners was fed to an on-line 8 channel System Development, Inc., analog-to-digital conversion unit. The data was processed onto digital tape for later data analysis by computer. Resolution of conversion was ± 0.0016 in pressure coefficient. All four transducers were recorded simultaneously for 16 seconds at a 250 sample per second rate. The results of an experiment to determine the length of record required to obtain stable mean and rms pressures and to determine overall accuracy of the pressure data acquisition system is shown in Figure 5. A typical pressure port record was integrated for a number of time periods to obtain the data

shown. Examination of a large number of pressure taps showed that the overall accuracy for a 16 second average is, in pressure coefficient form, 0.03 for mean pressures, 0.1 for peak pressures, and 0.01 for rms pressures. Pressure coefficients are defined in section 4.3.

Reduction of the raw data to usable form was performed on the Colorado State University CDC 6400 computer as described in section 4.3.

3.3 Velocity

Velocity and turbulence intensity profiles were measured upstream of the model to confirm that the approach velocity profile was appropriate for the site. In addition, mean velocity and turbulence intensity measurements were made 0.3 in. (5 ft prototype) above the surface at 15 locations (see Figure 6) on and near the building for 16-24 wind directions. Locations are all at ground level except for 8 and 9 which are located on an elevated exposed walkway. The surface measurements are indicative of the environment to which a pedestrian in the plaza area would be subjected.

Measurements were made with a single hot-wire anemometer mounted with its axis vertical. The instrumentation used was a Thermo Systems constant temperature anemometer (Model 1050) with a 0.001 in. diameter platinum film sensing element 0.020 in. long. Mean voltage output was read from a digital voltmeter with a time-constant circuit while rms voltage was obtained from a DISA RMS meter (Model 55D35) and was read from a digital voltmeter.

Calibration of the hot-wire anemometer was performed using a Thermo Systems calibrator (Model 1125). The calibration data were fit to a variable exponent King's Law relationship

$$E^2 = A + BU^n$$

where E is the hot-wire output voltage, U the approach velocity and A , B , and n are coefficients selected to fit the data. The above relationship was used to recover the mean velocity at measurement points from the measured mean voltage. The fluctuating velocity in the form U_{rms} (root-mean-square velocity) was obtained from

$$U_{rms} = \frac{2 E E_{rms}}{B n U^{n-1}}$$

where E_{rms} is the root-mean-square voltage output from the anemometer. All turbulence measurements were divided by both local mean velocity U and mean velocity outside the boundary layer U_{∞} . Division by U gives an indication of the relative unsteadiness at the location while division by U_{∞} permits easy determination of the actual magnitude of rms velocity fluctuations at a point for various approach velocities.

The mean velocity and turbulence data obtained at sites 1-15 were combined with climatological data obtained at the Los Angeles International Airport to provide an indication of the frequency with which velocities of various magnitudes could be expected at each measurement location. The data represented frequency of occurrence of winds as a function of wind direction and wind amplitude as an annual mean for the period 1951 to 1960. While this site is not climatologically identical to the Irvine area, the data should be representative, especially for the stronger winds of interest. These data were combined with two types of velocities measured in the wind-tunnel test program: the mean velocity representing average conditions and the mean plus three times the rms velocity representing a peak gust. The data were combined to provide, for each measurement location, the percentage of time during which a given velocity would be exceeded.

4. RESULTS

4.1 Flow Visualization

A 750 ft, 20 minute film is included as part of the report showing the characteristics of flow about the structure using smoke to make the flow visible. A listing of contents of the film is shown in Table 1. Several features can be noted from the visualization. As with all large structures, wind approaching the Fluor Corporate Headquarters building was deflected down to the plaza level, up over the structure and around the sides. The tendency of a building to deflect oncoming wind downward causes a reverse in wind direction at street level and a more turbulent environment. These effects were generally smaller than for other buildings of comparable height due to the octagonal shape of the structure and its limited height.

Smoke flow about the structure did not show any patterns characteristic of large pressure loadings. A vortex rollup was observed at the roof corners whose characteristics did not indicate severe pressures. Separated flow over the top of the structure impinged on the penthouse walls indicating the possibility of positive pressures on the exterior face and negative pressures on the interior face. The largest velocities at ground level appeared to be near the vertices of the octagon. Swirling flows at the main entrance were observed for northerly to northeasterly winds.

4.2 Velocity

Approach velocity profiles are shown in Figures 7a and 7b. These profiles were taken upstream from the model and are characteristic of the boundary-layer approaching the model. The boundary-layer thickness δ , was 50 in. corresponding to a prototype value of 833 ft. This is

slightly low for the wind structure expected in the Irvine area but should not affect the results. In the form

$$\frac{U}{U_{\infty}} = \left(\frac{y}{\delta} \right)^n$$

the velocity profile has an exponent n of 0.26 for the approach flow which is an acceptable value for suburban environments such as Irvine with moderate building heights. If the upstream profile shown in Figure 7a is plotted in semilogarithmic form, the effective roughness height Y_0 indicated by the zero velocity intercept of the best fit line is approximately 2 ft, which is slightly larger than might be anticipated for the site but still reasonable.

The profile of longitudinal turbulence intensity approaching the model is shown in Figure 7b. The turbulence intensities are typical of those found over suburban areas. For the purpose of this report, turbulence intensity is defined as the root-mean-square of the longitudinal velocity fluctuations divided by the reference mean velocity U_{∞} at the outer edge of the boundary-layer,

$$Tu_1 = \frac{U_{rms}}{U_{\infty}},$$

or as the rms velocity divided by the local mean velocity,

$$Tu_2 = \frac{U_{rms}}{U}.$$

Mean velocity and turbulence intensity at the pedestrian locations 1-15 shown in Figure 6 for 24 wind directions are listed in Table 2 and are plotted in Figures 8-15. Measurements were taken 0.3 in. (5 ft prototype) above the surface. A site map is superimposed on the

polar plots to aid in visualization of the effects of the nearby structure on the results. The largest mean velocities were recorded at the corners of the structure (locations 2, 10, 11, 13 and 15) where velocities reached values up to 78 percent of the reference velocity U_{∞} at 833 ft. These values occurred only for selected velocities. Other locations did not, in general, have high velocities. The largest values of fluctuating velocity (U_{rms}/U_{∞}) were at locations 8 (24.1 percent) and 14 (22.6 percent) for northwest and southeast winds respectively. The highest "gustiness" value (U_{rms}/U) was 80 percent found at point 14 for a wind azimuth of 315° . This site experienced values above 70 percent for several wind directions. Large values of gustiness must be interpreted in terms of the magnitude of mean velocity since a low local wind velocity can lead to large values as effectively as large rms velocities. At measurement location 14, the low mean velocity indicates a problem probably does not exist.

To enable a quantitative assessment of the wind environment, the wind tunnel data were combined with wind frequency and direction information obtained at the Los Angeles Airport. Table 3 shows the frequency and direction data obtained from summaries published by the National Weather Service for the period 1951-1960. These data, obtained at an elevation of 59 ft, were converted to velocities at the reference height for the wind tunnel measurements (833 ft) and combined with the wind tunnel data to obtain cumulative probability distributions (percent time a given velocity is exceeded) for wind velocity at each site. The percentage times were summed by wind direction to get a percent time exceeded at each site independent of wind direction (but accounting for the fact that the wind blows from different directions

with varying frequency). These results are listed in Table 4 and plotted in Figures 16 to 18. In the tables, a percentage time shown as 0.0 indicates a value below 0.1, the resolution limit of the frequency table.

Interpretation of Figures 16 to 18 is aided by a description of the effects of wind of various magnitudes on people. The earliest quantitative description of wind effects was established by Sir Francis Beaufort in 1806 for use at sea and is still in use today. Several recent investigators have added to the knowledge of wind effects on pedestrians. These investigations along with suggested criteria for acceptance have been summarized by Penwarden and Wise [4]. The Beaufort scale, based on mean velocity only, is reproduced as Table 5 including qualitative descriptions of wind effects. Table 8 suggests that mean wind speeds below 12 mph are of minor concern and that mean speeds above 24 mph are definitely inconvenient. From Figure 16 to 18, locations 11 and 13 reach mean velocities of 24 mph 0.5 percent of the time (approximately 44 hours out of a year), while several other positions reach 0.3 percent of the time. Mean winds at the worst measurement locations exceed the 12 mph level no more than 4 or 5 percent of the time with the exception of location 10 which exceeds 12 mph approximately 20 percent of the time.

Peak gust values in Figure 16 to 18 require a somewhat different interpretation. The peak gust curves shown are the percent of time during which a several-second gust of the stated magnitude could occur (say less than one of these gusts per hour). Evidence suggests that gusts greater than about 35 to 45 mph in magnitude can cause major impediment to pedestrians, particularly the elderly. All locations

experienced winds in which gusts of 35 mph or higher could occur less than 0.8 percent of the time. Several sites did not reach 35 mph at the 0.1 percent level. With the exceptions of locations 10 and 15, the percentage of time during which gusts of 24 mph could occur (the limit for agreeable winds on the Beaufort scale) was never larger than 20 percent and was much lower for many locations.

Because many locations were purposely chosen at sites where the flow visualization showed larger velocities of small spacial extent, the general wind environment about the structure is less severe than one might infer from an examination of Figures 16 to 18. It appears that no remedial action is required during building construction to protect pedestrians from excessive winds.

4.3 Pressures

For each of the pressure ports examined (8,208 total), the data record was analyzed to obtain four separate pressure coefficients. The first was the mean pressure coefficient

$$C_{p_{\text{mean}}} = \frac{(p-p_{\infty})_{\text{mean}}}{\frac{1}{2} \rho U_{\infty}^2}$$

where the symbols are as defined in the List of Symbols. It represents the mean of the instantaneous pressure difference between building pressure port and static pressure in the wind tunnel outside the boundary-layer nondimensionalized by the dynamic pressure $\frac{1}{2} \rho U_{\infty}^2$ outside the boundary-layer. The magnitude of the fluctuating pressure was obtained by the rms pressure coefficient

$$C_{p_{\text{rms}}} = \frac{\left((p-p_{\infty}) - (p-p_{\infty})_{\text{mean}} \right)_{\text{rms}}}{\frac{1}{2} \rho U_{\infty}^2}$$

in which the numerator is the root-mean-square of the instantaneous pressure difference about the mean.

If the pressure fluctuations followed a Gaussian probability distribution, no additional data would be required to predict the frequency with which any given pressure level would be observed. However, the pressure fluctuations do not follow a Gaussian probability distribution so that additional information is required to show the extreme values of pressure expected. The peak maximum and peak minimum pressure coefficients are used to determine these values:

$$C_{p_{\max}} = \frac{(p-p_{\infty})_{\max}}{\frac{1}{2} \rho U_{\infty}^2}$$

$$C_{p_{\min}} = \frac{(p-p_{\infty})_{\min}}{\frac{1}{2} \rho U_{\infty}^2} .$$

The values of $p-p_{\infty}$ which were digitized at 250 samples per second for 16 seconds were examined individually by the computer to obtain the most positive and most negative values during the 16 second period. These were converted to $C_{p_{\max}}$ and $C_{p_{\min}}$ by nondimensionalizing with the free-stream dynamic pressure.

The four pressure coefficients were calculated using the Colorado State University CDC 6400 computer and tabulated. The list of coefficients is included as Appendix A. The tap code number in the Appendix is given in Figure 3. In addition, the Appendix includes the approach wind azimuth in degrees from true north.

In order to determine the largest loads acting at any point on the structure, the data for all wind directions was searched to obtain, at each pressure tap, the largest positive and negative mean values and

the largest positive and negative peak values. Table 6 provides these pressure coefficients and associated wind directions. The largest positive peak values on the structure were between 1.0 and 1.2 and were distributed about the building. The largest peak negative pressure coefficient was -2.04 at tap 156 for a wind azimuth of 90 degrees. In general, the largest peak negative coefficients were rather moderate.

The pressure coefficients of Table 6 can be converted to full-scale loads by multiplication by a suitable reference pressure selected for the field site. One method of arriving at a reference interval was obtained for Irvine from the proposed American National Standards Institute Standard A58.1 [5]. The wind magnitude for a 100-year return period in the Los Angeles area is 70 mph for a fastest-mile wind at 30 ft elevation. A 100-year return period was used rather than a 50-year return wind to account for the fact that the building site may be more susceptible to Santa Anna winds than other locations in the area. A factor of 1.24 [6] was used to reduce this velocity to a one-hour mean velocity--equivalent to the wind tunnel mean velocity. The resulting 56.5 mph was then translated to a prototype elevation equivalent to the height of the reference wind tunnel measurement (833 ft) by means of a power-law velocity profile with a 0.2 exponent. This exponent corresponds to a lightly-built area such as the Los Angeles Airport where data for the ANSI standard were obtained. The mean velocity at 833 ft was calculated as 109.5 mph. The appropriate reference pressure based on this velocity is given by $0.00256 U^2 = 31$ psf from the ANSI standard.

Recent research [7] indicates that the period of application of the peak pressures reported herein is about 4-5 seconds. If a glass

design is based on these peak values, then a glass strength associated with this duration load is indicated. If the glass design is based on some alternate load duration--say one minute--then some reduction in peak loads should be made. An estimate of a load reduction factor can be obtained from an empirical relation of glass strength as a function of load duration. A factor of 0.73 on the reference pressure was used to convert the short 5-10 second pressure peaks to one minute loads typically cited in glass selection charts. The resulting 100-year recurrence reference pressure is 23 psf. Table 7 gives psf loadings on the full-scale structure which result from multiplication of the 23 psf reference pressure by the peak coefficients of Table 6.

For ease of visualizing the loads on the structure, contours of equal peak pressures in psf have been plotted on elevation views of the structure (Figure 19). Contour values are the largest of the peak maximum or peak minimum pressures from Table 7.

5. CONCLUSIONS

A simulated atmospheric boundary-layer flow over a model of the Fluor Corporate Headquarters building was established whose characteristics compared favorably with the expected flow over the Irvine, California area. Flow visualization showed no areas on the structure where exceptionally high pressures would be expected. Largest velocities of concern to pedestrians appeared to be near the corners of the structure.

Pressure measurements on the structure confirmed that no exceptionally large pressures occurred on the structure. The largest peak pressures calculated for glass design were negative (outward acting) and ranged up to -2.0 times the reference dynamic pressure or about 46 psf. Most locations, however, had peak pressures less than -1.5 times the dynamic pressure.

Quantitative evaluation of velocities at 15 locations about the structure did not indicate the need for corrective action prior to completion of the structure.

REFERENCES

1. Cermak, J. E., "Laboratory simulation of the atmospheric boundary layer," AIAA J1., Vol. 9, September, 1971.
2. Cermak, J. E., "Applications of fluid mechanics to wind engineering," A Freeman Scholar Lecture, ASME J1. of Fluids Engineering, Vol. 97, No. 1, March, 1975.
3. Davenport, A. G. and N. Isyumov, "The application of the boundary layer wind tunnel to the prediction of wind loading," Proc. of Int. Res. Seminar on Wind Effects on Buildings and Structures, VI, N.R.C., Canada, 1967.
4. Penwarden, A. D. and A. F. E. Wise, "Wind environment around buildings," Building Research Establishment Report, HMSO, 1975.
5. American National Standards Institute, "American national standard building code requirements for minimum design loads in buildings and other structures," ANSU Standard A58.1, 1972.
6. Vellozzi, J. and C. Cohen, "Gust response factors," J1. Structural Div., ASCE, Proc. Paper No. 5980, Vol. 94, No. ST6, 1968.
7. Peterka, J. A. and J. E. Cermak, "Peak-pressure duration in separated regions on a structure," U.S.-Japan Research Seminar on Wind Effects on Structures, Kyoto, Japan, 9-13 September 1974; Report CEP74-75JAP-JEC8, Fluid Mechanics Program, Colorado State University, September, 1974.

Table 1. MOTION PICTURE SCENE GUIDE

| <u>Scene</u> | <u>Approach Wind Direction</u> |
|------------------------------|------------------------------------|
| Titles and Model | |
| 1 | N |
| 2 | NNE |
| 3 | NE |
| 4 | ENE |
| 5 | E |
| 6 | ESE |
| 7 | SE |
| 8 | SSE |
| 9 | S |
| 10 | SSW |
| 11 | SW |
| 12 | WSW |
| 13 | W |
| 14 | WNW |
| 15 | NW |
| 16 | NNW |
| Model wind velocity 10 fps | |
| Movie length 750 ft | |
| Running Time (approx) 20 min | |

TABLE 2. MEAN AND FLUCTUATING VELOCITIES AROUND THE
BASE OF THE BUILDING

| POSITION 1 | | | | POSITION 2 | | | |
|-----------------|---------------------|------------------------|---------------------|-----------------|---------------------|------------------------|---------------------|
| WIND AZIMUTH | U/UINF (PERCENT) | URMS/UINF (PERCENT) | URMS/U (PERCENT) | WIND AZIMUTH | U/UINF (PERCENT) | URMS/UINF (PERCENT) | URMS/U (PERCENT) |
| 0.00 | 33.6 | 13.0 | 38.8 | 0.00 | 36.0 | 11.4 | 31.6 |
| 22.50 | 29.1 | 12.3 | 42.2 | 22.50 | 45.0 | 10.6 | 23.6 |
| 45.00 | 17.6 | 9.1 | 51.7 | 45.00 | 43.6 | 10.5 | 24.1 |
| 67.50 | 14.0 | 7.0 | 50.2 | 67.50 | 51.0 | 9.8 | 19.1 |
| 89.00 | 16.0 | 8.7 | 54.1 | 89.00 | 52.4 | 10.3 | 19.7 |
| 112.50 | 21.9 | 11.2 | 51.1 | 112.50 | 37.0 | 11.3 | 30.5 |
| 135.00 | 28.6 | 11.1 | 39.0 | 135.00 | 25.6 | 11.4 | 44.6 |
| 157.50 | 24.1 | 11.6 | 48.0 | 157.50 | 48.5 | 11.8 | 24.4 |
| 180.00 | 12.2 | 6.9 | 56.7 | 180.00 | 67.4 | 8.7 | 12.9 |
| 202.50 | 6.0 | 2.5 | 41.5 | 202.50 | 71.1 | 8.5 | 12.0 |
| 225.00 | 5.2 | 2.0 | 38.4 | 225.00 | 63.9 | 5.3 | 8.3 |
| 247.50 | 6.3 | 2.7 | 42.3 | 247.50 | 37.3 | 14.1 | 37.8 |
| 270.00 | 7.7 | 3.4 | 45.1 | 270.00 | 15.7 | 7.8 | 49.9 |
| 292.50 | 7.5 | 3.4 | 45.2 | 292.50 | 15.4 | 6.6 | 42.9 |
| 315.00 | 9.4 | 4.6 | 49.0 | 315.00 | 25.4 | 10.3 | 40.5 |
| 337.50 | 16.2 | 7.5 | 46.4 | 337.50 | 37.3 | 14.0 | 37.7 |

| POSITION 3 | | | | POSITION 4 | | | |
|-----------------|---------------------|------------------------|---------------------|-----------------|---------------------|------------------------|---------------------|
| WIND AZIMUTH | U/UINF (PERCENT) | URMS/UINF (PERCENT) | URMS/U (PERCENT) | WIND AZIMUTH | U/UINF (PERCENT) | URMS/UINF (PERCENT) | URMS/U (PERCENT) |
| 0.00 | 53.4 | 10.1 | 18.9 | 0.00 | 51.9 | 11.6 | 22.4 |
| 22.50 | 53.0 | 10.5 | 19.8 | 22.50 | 45.8 | 11.1 | 24.2 |
| 45.00 | 47.9 | 12.2 | 25.4 | 45.00 | 36.2 | 12.4 | 34.1 |
| 67.50 | 44.5 | 14.0 | 31.4 | 67.50 | 35.0 | 13.9 | 39.6 |
| 89.00 | 41.9 | 15.7 | 37.4 | 89.00 | 36.0 | 14.2 | 39.4 |
| 112.50 | 29.3 | 14.8 | 50.4 | 112.50 | 36.0 | 12.9 | 35.8 |
| 135.00 | 24.0 | 11.0 | 45.7 | 135.00 | 39.8 | 11.2 | 28.0 |
| 157.50 | 40.5 | 10.8 | 26.7 | 157.50 | 53.1 | 11.4 | 21.4 |
| 180.00 | 54.1 | 11.0 | 20.4 | 180.00 | 56.7 | 16.2 | 28.5 |
| 202.50 | 53.6 | 14.3 | 26.8 | 202.50 | 29.1 | 13.6 | 46.9 |
| 225.00 | 46.1 | 5.4 | 11.7 | 225.00 | 11.5 | 5.8 | 50.2 |
| 247.50 | 26.5 | 9.6 | 36.2 | 247.50 | 14.7 | 7.4 | 50.3 |
| 270.00 | 9.3 | 5.9 | 63.3 | 270.00 | 19.4 | 8.9 | 46.0 |
| 292.50 | 9.1 | 5.2 | 57.5 | 292.50 | 16.7 | 8.4 | 50.2 |
| 315.00 | 14.4 | 7.3 | 50.9 | 315.00 | 20.1 | 10.4 | 51.4 |
| 337.50 | 25.8 | 9.9 | 38.4 | 337.50 | 27.6 | 11.8 | 42.8 |

TABLE 2 (CONTINUED). MEAN AND FLUCTUATING VELOCITIES AROUND THE
BASE OF THE BUILDING

POSITION 5

| WIND AZIMUTH | U/UINF (PERCENT) | URMS/UINF (PERCENT) | URMS/U (PERCENT) |
|-----------------|---------------------|------------------------|---------------------|
| 0.00 | 30.6 | 11.3 | 37.1 |
| 22.50 | 31.7 | 10.9 | 34.3 |
| 45.00 | 20.6 | 8.5 | 41.4 |
| 67.50 | 15.5 | 7.5 | 48.3 |
| 89.00 | 30.0 | 11.9 | 39.7 |
| 112.50 | 33.7 | 10.2 | 30.3 |
| 135.00 | 47.2 | 11.8 | 25.1 |
| 157.50 | 47.4 | 15.6 | 32.9 |
| 180.00 | 34.2 | 15.5 | 45.2 |
| 202.50 | 15.8 | 7.8 | 49.8 |
| 225.00 | 13.8 | 6.3 | 45.6 |
| 247.50 | 13.3 | 6.5 | 48.9 |
| 270.00 | 11.2 | 6.0 | 53.0 |
| 292.50 | 9.2 | 5.0 | 54.7 |
| 315.00 | 6.0 | 3.8 | 63.4 |
| 337.50 | 13.6 | 6.3 | 46.0 |

POSITION 6

| WIND AZIMUTH | U/UINF (PERCENT) | URMS/UINF (PERCENT) | URMS/U (PERCENT) |
|-----------------|---------------------|------------------------|---------------------|
| 0.00 | 7.7 | 4.5 | 59.0 |
| 22.50 | 9.3 | 4.9 | 52.4 |
| 45.00 | 9.3 | 5.0 | 53.7 |
| 67.50 | 9.6 | 5.1 | 52.6 |
| 89.00 | 11.9 | 5.5 | 46.2 |
| 112.50 | 23.9 | 7.6 | 31.8 |
| 135.00 | 39.0 | 9.2 | 23.6 |
| 157.50 | 36.4 | 10.7 | 29.3 |
| 180.00 | 25.3 | 10.4 | 41.3 |
| 202.50 | 12.9 | 6.5 | 50.4 |
| 225.00 | 10.2 | 5.2 | 51.5 |
| 247.50 | 10.9 | 5.8 | 52.6 |
| 270.00 | 9.2 | 5.0 | 54.3 |
| 292.50 | 6.5 | 3.4 | 52.7 |
| 315.00 | 5.7 | 3.0 | 52.5 |
| 337.50 | 5.1 | 2.9 | 58.4 |

POSITION 7

| WIND AZIMUTH | U/UINF (PERCENT) | URMS/UINF (PERCENT) | URMS/U (PERCENT) |
|-----------------|---------------------|------------------------|---------------------|
| 0.00 | 21.3 | 10.0 | 47.0 |
| 22.50 | 16.3 | 8.3 | 51.1 |
| 45.00 | 19.6 | 9.8 | 49.9 |
| 67.50 | 29.0 | 12.0 | 41.3 |
| 89.00 | 33.3 | 12.4 | 37.1 |
| 112.50 | 34.2 | 11.1 | 32.6 |
| 135.00 | 28.6 | 10.6 | 37.0 |
| 157.50 | 31.8 | 11.3 | 35.6 |
| 180.00 | 36.6 | 11.6 | 31.8 |
| 202.50 | 20.5 | 9.3 | 45.7 |
| 225.00 | 20.8 | 7.9 | 38.2 |
| 247.50 | 16.6 | 8.0 | 48.2 |
| 270.00 | 13.6 | 7.1 | 52.4 |
| 292.50 | 12.2 | 6.0 | 49.1 |
| 315.00 | 12.0 | 6.0 | 50.0 |
| 337.50 | 17.5 | 9.1 | 51.7 |

POSITION 8

| WIND AZIMUTH | U/UINF (PERCENT) | URMS/UINF (PERCENT) | URMS/U (PERCENT) |
|-----------------|---------------------|------------------------|---------------------|
| 0.00 | 44.2 | 13.0 | 29.5 |
| 22.50 | 21.9 | 11.0 | 50.0 |
| 45.00 | 21.2 | 10.9 | 51.4 |
| 67.50 | 27.7 | 10.5 | 38.0 |
| 89.00 | 38.5 | 10.6 | 27.7 |
| 112.50 | 44.4 | 12.3 | 27.6 |
| 135.00 | 25.6 | 12.9 | 50.6 |
| 157.50 | 17.0 | 9.8 | 57.9 |
| 180.00 | 14.9 | 9.0 | 60.7 |
| 202.50 | 11.4 | 6.9 | 60.2 |
| 225.00 | 6.9 | 5.1 | 73.7 |
| 247.50 | 9.0 | 6.0 | 66.5 |
| 270.00 | 10.0 | 6.4 | 64.0 |
| 292.50 | 17.6 | 7.9 | 44.9 |
| 315.00 | 47.4 | 24.1 | 50.8 |
| 337.50 | 60.7 | 20.7 | 34.0 |

TABLE 2 (CONTINUED). MEAN AND FLUCTUATING VELOCITIES AROUND THE
BASE OF THE BUILDING

POSITION 9

| WIND AZIMUTH | U/UINF (PERCENT) | URMS/UINF (PERCENT) | URMS/U (PERCENT) |
|-----------------|---------------------|------------------------|---------------------|
| 0.00 | 38.7 | 12.9 | 33.5 |
| 22.50 | 31.2 | 12.2 | 39.0 |
| 45.00 | 24.7 | 12.4 | 49.9 |
| 67.50 | 23.4 | 12.5 | 53.3 |
| 89.00 | 33.6 | 14.2 | 42.2 |
| 112.50 | 47.0 | 14.9 | 31.6 |
| 135.00 | 52.1 | 16.4 | 31.5 |
| 157.50 | 54.2 | 17.3 | 31.9 |
| 180.00 | 45.9 | 16.8 | 36.6 |
| 202.50 | 19.2 | 11.7 | 60.9 |
| 225.00 | 18.4 | 10.6 | 57.6 |
| 247.50 | 21.8 | 12.4 | 56.7 |
| 270.00 | 26.6 | 14.6 | 55.1 |
| 292.50 | 21.3 | 11.9 | 55.7 |
| 315.00 | 33.8 | 16.1 | 47.6 |
| 337.50 | 42.7 | 17.7 | 41.5 |

POSITION 10

| WIND AZIMUTH | U/UINF (PERCENT) | URMS/UINF (PERCENT) | URMS/U (PERCENT) |
|-----------------|---------------------|------------------------|---------------------|
| 0.00 | 46.9 | 11.2 | 23.9 |
| 22.50 | 61.1 | 12.2 | 19.9 |
| 45.00 | 44.7 | 15.1 | 33.8 |
| 67.50 | 26.8 | 13.4 | 50.1 |
| 89.00 | 22.9 | 9.8 | 42.9 |
| 112.50 | 15.9 | 7.9 | 49.4 |
| 135.00 | 16.6 | 8.5 | 51.2 |
| 157.50 | 21.5 | 10.9 | 50.9 |
| 180.00 | 18.8 | 8.9 | 47.6 |
| 202.50 | 28.9 | 12.7 | 43.8 |
| 225.00 | 53.8 | 18.6 | 34.7 |
| 247.50 | 68.0 | 10.1 | 14.8 |
| 270.00 | 64.3 | 7.4 | 11.4 |
| 292.50 | 38.5 | 11.0 | 28.6 |
| 315.00 | 20.2 | 9.3 | 46.1 |
| 337.50 | 24.9 | 9.9 | 39.7 |

POSITION 11

| WIND AZIMUTH | U/UINF (PERCENT) | URMS/UINF (PERCENT) | URMS/U (PERCENT) |
|-----------------|---------------------|------------------------|---------------------|
| 0.00 | 69.4 | 8.0 | 11.5 |
| 22.50 | 52.0 | 15.8 | 30.4 |
| 45.00 | 25.9 | 12.3 | 47.6 |
| 67.50 | 14.2 | 7.1 | 50.1 |
| 89.00 | 17.0 | 7.8 | 46.1 |
| 112.50 | 16.9 | 7.8 | 45.8 |
| 135.00 | 16.4 | 7.0 | 42.8 |
| 157.50 | 28.8 | 12.1 | 41.9 |
| 180.00 | 50.6 | 20.1 | 39.7 |
| 202.50 | 72.5 | 17.5 | 24.1 |
| 225.00 | 74.9 | 7.5 | 10.0 |
| 247.50 | 44.9 | 12.1 | 26.9 |
| 270.00 | 22.7 | 10.5 | 46.1 |
| 292.50 | 26.7 | 10.4 | 38.8 |
| 315.00 | 59.7 | 18.5 | 31.1 |
| 337.50 | 77.5 | 10.6 | 13.7 |

POSITION 12

| WIND AZIMUTH | U/UINF (PERCENT) | URMS/UINF (PERCENT) | URMS/U (PERCENT) |
|-----------------|---------------------|------------------------|---------------------|
| 0.00 | 11.5 | 6.3 | 54.3 |
| 22.50 | 11.1 | 5.8 | 51.8 |
| 45.00 | 12.2 | 6.1 | 50.3 |
| 67.50 | 16.7 | 8.2 | 49.1 |
| 89.00 | 16.4 | 8.3 | 50.3 |
| 112.50 | 15.9 | 8.1 | 50.9 |
| 135.00 | 11.1 | 6.1 | 55.4 |
| 157.50 | 11.2 | 6.5 | 57.9 |
| 180.00 | 27.0 | 14.7 | 54.3 |
| 202.50 | 40.4 | 13.6 | 33.6 |
| 225.00 | 35.5 | 10.2 | 28.6 |
| 247.50 | 19.9 | 8.2 | 41.3 |
| 270.00 | 21.8 | 8.4 | 38.5 |
| 292.50 | 40.2 | 10.9 | 27.1 |
| 315.00 | 44.5 | 16.4 | 36.8 |
| 337.50 | 32.6 | 18.7 | 57.5 |

TABLE 2 (CONTINUED). MEAN AND FLUCTUATING VELOCITIES AROUND THE
BASE OF THE BUILDING

POSITION 13

| WIND AZIMUTH | U/UINF (PERCENT) | URMS/UINF (PERCENT) | URMS/U (PERCENT) |
|-----------------|---------------------|------------------------|---------------------|
| 0.00 | 19.7 | 9.3 | 47.2 |
| 22.50 | 18.5 | 8.2 | 44.1 |
| 45.00 | 14.1 | 8.2 | 58.1 |
| 67.50 | 15.1 | 8.8 | 58.4 |
| 89.00 | 15.6 | 9.4 | 60.1 |
| 112.50 | 25.7 | 13.7 | 53.6 |
| 135.00 | 54.7 | 18.5 | 33.8 |
| 157.50 | 67.9 | 10.0 | 14.7 |
| 180.00 | 66.5 | 10.1 | 15.2 |
| 202.50 | 43.9 | 11.5 | 26.2 |
| 225.00 | 23.9 | 10.6 | 44.5 |
| 247.50 | 24.2 | 10.2 | 42.0 |
| 270.00 | 53.7 | 11.5 | 21.3 |
| 292.50 | 73.2 | 10.4 | 14.2 |
| 315.00 | 66.5 | 14.0 | 21.1 |
| 337.50 | 38.5 | 15.8 | 41.0 |

POSITION 14

| WIND AZIMUTH | U/UINF (PERCENT) | URMS/UINF (PERCENT) | URMS/U (PERCENT) |
|-----------------|---------------------|------------------------|---------------------|
| 0.00 | 19.9 | 9.7 | 48.9 |
| 22.50 | 14.4 | 8.4 | 58.1 |
| 45.00 | 11.1 | 8.2 | 74.1 |
| 67.50 | 11.8 | 8.8 | 74.4 |
| 89.00 | 11.9 | 9.0 | 75.6 |
| 112.50 | 22.1 | 12.1 | 54.5 |
| 135.00 | 41.3 | 22.6 | 54.8 |
| 157.50 | 44.3 | 12.0 | 27.0 |
| 180.00 | 40.4 | 9.3 | 23.1 |
| 202.50 | 28.9 | 9.0 | 31.2 |
| 225.00 | 18.5 | 8.4 | 45.4 |
| 247.50 | 36.6 | 10.5 | 28.7 |
| 270.00 | 39.6 | 15.3 | 38.7 |
| 292.50 | 22.8 | 15.4 | 67.3 |
| 315.00 | 8.6 | 6.9 | 80.3 |
| 337.50 | 11.4 | 7.5 | 65.6 |

POSITION 15

| WIND AZIMUTH | U/UINF (PERCENT) | URMS/UINF (PERCENT) | URMS/U (PERCENT) |
|-----------------|---------------------|------------------------|---------------------|
| 0.00 | 13.2 | 8.2 | 61.9 |
| 22.50 | 10.0 | 7.0 | 70.7 |
| 45.00 | 13.9 | 9.3 | 67.0 |
| 67.50 | 22.9 | 14.1 | 61.6 |
| 89.00 | 33.9 | 17.2 | 50.6 |
| 112.50 | 66.0 | 13.9 | 21.1 |
| 135.00 | 69.5 | 10.1 | 14.6 |
| 157.50 | 41.5 | 11.7 | 28.2 |
| 180.00 | 18.5 | 10.5 | 56.9 |
| 202.50 | 22.9 | 10.8 | 47.3 |
| 225.00 | 52.8 | 12.2 | 23.1 |
| 247.50 | 70.0 | 16.5 | 23.6 |
| 270.00 | 62.4 | 7.7 | 12.3 |
| 292.50 | 36.9 | 15.0 | 40.6 |
| 315.00 | 15.1 | 9.8 | 64.6 |
| 337.50 | 14.4 | 9.1 | 63.0 |

Table 3. LOS ANGELES WIND DATA

Percentage Frequencies of Wind Direction and Speed

Annual Hourly Observations of Wind Speed-miles Per Hour

| Direction | 0-3 | 4-7 | 8-12 | 13-18 | 19-24 | 25-31 | 32-38 | Total |
|-----------|-----|-----|------|-------|-------|-------|-------|-------|
| N | 1 | 1 | + | + | + | + | + | 2 |
| NNE | + | 1 | 1 | + | + | + | | 2 |
| NE | 1 | 2 | 1 | + | + | | | 4 |
| ENE | 1 | 3 | 1 | + | + | + | | 5 |
| E | 2 | 3 | 1 | + | + | | | 6 |
| ESE | 1 | 2 | 1 | + | + | | | 4 |
| SE | 1 | 2 | 1 | + | + | + | | 4 |
| SSE | 1 | 1 | + | + | + | + | + | 2 |
| S | 1 | 1 | + | + | + | + | | 2 |
| SSW | 1 | 1 | + | + | + | + | | 2 |
| SW | 1 | 2 | 3 | 1 | + | | | 6 |
| WSW | 1 | 5 | 10 | 4 | + | + | + | 20 |
| W | 1 | 5 | 7 | 4 | + | + | + | 17 |
| WNW | 1 | 2 | 1 | + | + | + | | 3 |
| NW | 1 | 1 | + | + | + | + | + | 2 |
| NNW | + | 1 | + | + | + | + | + | 2 |
| CALM | 13 | | | | | | | 13 |
| TOTAL | 26 | 33 | 27 | 11 | 1 | + | + | 100 |

+ indicates a fraction of a percentage value

TABLE 4. PROBABILITY DISTRIBUTIONS FOR WINDS

| POSITION 1 | | | | POSITION 2 | | | |
|----------------------------|--|----------------------------|---|----------------------------|--|----------------------------|---|
| VELOCITY LEVEL --MPH | PERCENT TIME (UMEAN) EXCEEDS VELOCITY LEVEL | VELOCITY LEVEL --MPH | PERCENT TIME (UMEAN + 3 URMS) EXCEEDS VELOCITY LEVEL | VELOCITY LEVEL --MPH | PERCENT TIME (UMEAN) EXCEEDS VELOCITY LEVEL | VELOCITY LEVEL --MPH | PERCENT TIME (UMEAN + 3 URMS) EXCEEDS VELOCITY LEVEL |
| 2.0 | 13.4 | 3.0 | 32.6 | 2.0 | 66.8 | 3.0 | 75.4 |
| 4.0 | 3.1 | 7.0 | 6.2 | 4.0 | 37.5 | 7.0 | 42.1 |
| 7.0 | .7 | 11.0 | 1.9 | 7.0 | 13.8 | 11.0 | 20.1 |
| 11.0 | .3 | 15.0 | .9 | 11.0 | 3.4 | 15.0 | 8.0 |
| 15.0 | .1 | 21.0 | .5 | 15.0 | 1.6 | 21.0 | 2.7 |
| 19.0 | .0 | 29.0 | .2 | 19.0 | .6 | 29.0 | .8 |
| 24.0 | .0 | 38.0 | .0 | 24.0 | .2 | 38.0 | .3 |
| POSITION 3 | | | | POSITION 4 | | | |
| VELOCITY LEVEL --MPH | PERCENT TIME (UMEAN) EXCEEDS VELOCITY LEVEL | VELOCITY LEVEL --MPH | PERCENT TIME (UMEAN + 3 URMS) EXCEEDS VELOCITY LEVEL | VELOCITY LEVEL --MPH | PERCENT TIME (UMEAN) EXCEEDS VELOCITY LEVEL | VELOCITY LEVEL --MPH | PERCENT TIME (UMEAN + 3 URMS) EXCEEDS VELOCITY LEVEL |
| 2.0 | 54.5 | 3.0 | 70.2 | 2.0 | 53.9 | 3.0 | 71.8 |
| 4.0 | 27.8 | 7.0 | 33.8 | 4.0 | 15.9 | 7.0 | 28.5 |
| 7.0 | 7.6 | 11.0 | 11.5 | 7.0 | 2.9 | 11.0 | 8.4 |
| 11.0 | 1.8 | 15.0 | 3.9 | 11.0 | 1.2 | 15.0 | 2.3 |
| 15.0 | .8 | 21.0 | 1.4 | 15.0 | .6 | 21.0 | 1.4 |
| 19.0 | .4 | 29.0 | .7 | 19.0 | .3 | 29.0 | .6 |
| 24.0 | .1 | 38.0 | .2 | 24.0 | .2 | 38.0 | .2 |

TABLE 4 (CONTINUED). PROBABILITY DISTRIBUTIONS FOR WINDS

POSITION 5

| VELOCITY LEVEL --MPH | PERCENT TIME (UMEAN) EXCEEDS VELOCITY LEVEL |
|----------------------------|--|
| 2.0 | 36.9 |
| 4.0 | 7.2 |
| 7.0 | 1.8 |
| 11.0 | .6 |
| 15.0 | .3 |
| 19.0 | .1 |
| 24.0 | .0 |

| VELOCITY LEVEL --MPH | PERCENT TIME (UMEAN + 3 URMS) EXCEEDS VELOCITY LEVEL |
|----------------------------|---|
| 3.0 | 60.6 |
| 7.0 | 15.7 |
| 11.0 | 3.6 |
| 15.0 | 1.5 |
| 21.0 | .7 |
| 29.0 | .4 |
| 38.0 | .1 |

POSITION 6

| VELOCITY LEVEL --MPH | PERCENT TIME (UMEAN) EXCEEDS VELOCITY LEVEL |
|----------------------------|--|
| 2.0 | 18.3 |
| 4.0 | 2.9 |
| 7.0 | .7 |
| 11.0 | .3 |
| 15.0 | .1 |
| 19.0 | .0 |
| 24.0 | .0 |

| VELOCITY LEVEL --MPH | PERCENT TIME (UMEAN + 3 URMS) EXCEEDS VELOCITY LEVEL |
|----------------------------|---|
| 3.0 | 44.5 |
| 7.0 | 5.6 |
| 11.0 | 1.3 |
| 15.0 | .5 |
| 21.0 | .3 |
| 29.0 | .1 |
| 38.0 | .0 |

POSITION 7

| VELOCITY LEVEL --MPH | PERCENT TIME (UMEAN) EXCEEDS VELOCITY LEVEL |
|----------------------------|--|
| 2.0 | 46.1 |
| 4.0 | 8.6 |
| 7.0 | 1.3 |
| 11.0 | .4 |
| 15.0 | .1 |
| 19.0 | .0 |
| 24.0 | .0 |

| VELOCITY LEVEL --MPH | PERCENT TIME (UMEAN + 3 URMS) EXCEEDS VELOCITY LEVEL |
|----------------------------|---|
| 3.0 | 65.8 |
| 7.0 | 21.9 |
| 11.0 | 4.4 |
| 15.0 | 1.6 |
| 21.0 | .7 |
| 29.0 | .1 |
| 38.0 | .0 |

POSITION 8

| VELOCITY LEVEL --MPH | PERCENT TIME (UMEAN) EXCEEDS VELOCITY LEVEL |
|----------------------------|--|
| 2.0 | 29.9 |
| 4.0 | 8.6 |
| 7.0 | 2.0 |
| 11.0 | .8 |
| 15.0 | .5 |
| 19.0 | .3 |
| 24.0 | .2 |

| VELOCITY LEVEL --MPH | PERCENT TIME (UMEAN + 3 URMS) EXCEEDS VELOCITY LEVEL |
|----------------------------|---|
| 3.0 | 62.4 |
| 7.0 | 16.6 |
| 11.0 | 5.4 |
| 15.0 | 2.6 |
| 21.0 | 1.4 |
| 29.0 | .6 |
| 38.0 | .4 |

TABLE 4 (CONTINUED). PROBABILITY DISTRIBUTIONS FOR WINDS

POSITION 9

| VELOCITY LEVEL --MPH | PERCENT TIME (UMEAN) EXCEEDS VELOCITY LEVEL |
|----------------------------|--|
| 2.0 | 62.0 |
| 4.0 | 24.6 |
| 7.0 | 4.4 |
| 11.0 | 1.3 |
| 15.0 | .7 |
| 19.0 | .4 |
| 24.0 | .1 |

| VELOCITY LEVEL --MPH | PERCENT TIME (UMEAN + 3 URMS) EXCEEDS VELOCITY LEVEL |
|----------------------------|---|
| 3.0 | 77.9 |
| 7.0 | 45.7 |
| 11.0 | 18.9 |
| 15.0 | 7.7 |
| 21.0 | 1.8 |
| 29.0 | 1.0 |
| 38.0 | .5 |
| 49.0 | .1 |

POSITION 10

| VELOCITY LEVEL --MPH | PERCENT TIME (UMEAN) EXCEEDS VELOCITY LEVEL |
|----------------------------|--|
| 2.0 | 65.2 |
| 4.0 | 48.0 |
| 7.0 | 33.3 |
| 11.0 | 15.8 |
| 15.0 | 5.7 |
| 19.0 | .7 |
| 24.0 | .3 |
| 31.0 | .1 |

| VELOCITY LEVEL --MPH | PERCENT TIME (UMEAN + 3 URMS) EXCEEDS VELOCITY LEVEL |
|----------------------------|---|
| 3.0 | 75.0 |
| 7.0 | 49.0 |
| 11.0 | 34.3 |
| 15.0 | 21.5 |
| 21.0 | 8.3 |
| 29.0 | 1.4 |
| 38.0 | .3 |
| 42.0 | .1 |

POSITION 11

| VELOCITY LEVEL --MPH | PERCENT TIME (UMEAN) EXCEEDS VELOCITY LEVEL |
|----------------------------|--|
| 2.0 | 61.6 |
| 4.0 | 37.2 |
| 7.0 | 17.2 |
| 11.0 | 6.0 |
| 15.0 | 2.1 |
| 19.0 | 1.2 |
| 24.0 | .5 |
| 33.0 | .1 |

| VELOCITY LEVEL --MPH | PERCENT TIME (UMEAN + 3 URMS) EXCEEDS VELOCITY LEVEL |
|----------------------------|---|
| 3.0 | 73.8 |
| 7.0 | 42.8 |
| 11.0 | 24.0 |
| 15.0 | 10.3 |
| 21.0 | 3.5 |
| 29.0 | 1.1 |
| 38.0 | .6 |
| 52.0 | .1 |

POSITION 12

| VELOCITY LEVEL --MPH | PERCENT TIME (UMEAN) EXCEEDS VELOCITY LEVEL |
|----------------------------|--|
| 2.0 | 47.2 |
| 4.0 | 16.7 |
| 7.0 | 2.4 |
| 11.0 | .7 |
| 15.0 | .3 |
| 19.0 | .1 |
| 24.0 | .0 |

| VELOCITY LEVEL --MPH | PERCENT TIME (UMEAN + 3 URMS) EXCEEDS VELOCITY LEVEL |
|----------------------------|---|
| 3.0 | 64.7 |
| 7.0 | 27.6 |
| 11.0 | 8.2 |
| 15.0 | 2.1 |
| 21.0 | .9 |
| 29.0 | .4 |
| 38.0 | .2 |

TABLE 4 (CONTINUED). PROBABILITY DISTRIBUTIONS FOR WINDS

| POSITION 13 | | | | POSITION 14 | | | |
|----------------------------|--|----------------------------|---|----------------------------|--|----------------------------|---|
| VELOCITY LEVEL --MPH | PERCENT TIME (UMEAN) EXCEEDS VELOCITY LEVEL | VELOCITY LEVEL --MPH | PERCENT TIME (UMEAN + 3 URMS) EXCEEDS VELOCITY LEVEL | VELOCITY LEVEL --MPH | PERCENT TIME (UMEAN) EXCEEDS VELOCITY LEVEL | VELOCITY LEVEL --MPH | PERCENT TIME (UMEAN + 3 URMS) EXCEEDS VELOCITY LEVEL |
| 2.0 | 62.0 | 3.0 | 74.9 | 2.0 | 53.7 | 3.0 | 69.5 |
| 4.0 | 35.4 | 7.0 | 43.6 | 4.0 | 32.0 | 7.0 | 40.1 |
| 7.0 | 14.7 | 11.0 | 20.6 | 7.0 | 10.9 | 11.0 | 22.7 |
| 11.0 | 5.5 | 15.0 | 10.0 | 11.0 | 1.0 | 15.0 | 11.0 |
| 15.0 | 1.3 | 21.0 | 3.5 | 15.0 | .4 | 21.0 | 3.1 |
| 19.0 | .8 | 29.0 | 1.0 | 19.0 | .2 | 29.0 | .5 |
| 24.0 | .5 | 38.0 | .6 | 24.0 | .0 | 38.0 | .3 |
| 32.0 | .1 | 48.0 | .1 | | | | |
| POSITION 15 | | | | | | | |
| VELOCITY LEVEL --MPH | PERCENT TIME (UMEAN) EXCEEDS VELOCITY LEVEL | VELOCITY LEVEL --MPH | PERCENT TIME (UMEAN + 3 URMS) EXCEEDS VELOCITY LEVEL | | | | |
| 2.0 | 65.0 | 3.0 | 75.7 | | | | |
| 4.0 | 49.7 | 7.0 | 51.9 | | | | |
| 7.0 | 34.0 | 11.0 | 36.0 | | | | |
| 11.0 | 16.4 | 15.0 | 23.3 | | | | |
| 15.0 | 5.6 | 21.0 | 9.5 | | | | |
| 19.0 | 1.1 | 29.0 | 2.5 | | | | |
| 24.0 | .3 | 38.0 | .3 | | | | |

Table 5. SUMMARY OF WIND EFFECTS ON PEOPLE

| | Beaufort number | Speed (mph) | Effects |
|-----------------|--------------------|----------------|--|
| Calm, light air | 0,1 | 0- 3 | Calm, no noticeable wind |
| Light breeze | 2 | 4- 7 | Wind felt on face |
| Gentle breeze | 3 | 8-12 | Wind extends light flag Hair is disturbed Clothing flaps |
| Moderate breeze | 4 | 13-18 | Raises dust, dry soil and loose paper Hair disarranged |
| Fresh breeze | 5 | 19-24 | Force of wind felt on body Drifting snow becomes airborne Limit of agreeable wind on land |
| Strong breeze | 6 | 25-31 | Unbrellas used with difficulty Hair blown straight Difficult to walk steadily Wind noise on ears unpleasant Windborne snow above head height (blizzard) |
| Near gale | 7 | 32-38 | Inconvencience felt when walking |
| Gale | 8 | 39-46 | Generally impedes progress Great difficulty with balance in gusts |
| Strong gale | 9 | 47-54 | People blown over by gusts |

Note: Table from Reference 4, p. 40.

Table 6. WIND ENGINEERING STUDY OF FLUOR HEADQUARTERS BUILDING
IRVINE, CALIFORNIA

LARGEST AND SMALLEST PRESSURE COEFFICIENTS FOR EACH TAP

| TAP NUMBER | MAXIMUM MEAN PRESSURE COEFFICIENT | WIND DIRECTION | MINIMUM MEAN PRESSURE COEFFICIENT | WIND DIRECTION | MAXIMUM PEAK PRESSURE COEFFICIENT | WIND DIRECTION | MINIMUM PEAK PRESSURE COEFFICIENT | WIND DIRECTION |
|---------------|--|-------------------|--|-------------------|--|-------------------|--|-------------------|
| 1 | -.168 | 30 | -.504 | 60 | .236 | 30 | -1.498 | 60 |
| 2 | -.099 | 45 | -.450 | 345 | .208 | 30 | -.947 | 330 |
| 3 | -.145 | 45 | -.499 | 330 | .181 | 0 | -1.054 | 210 |
| 4 | -.167 | 165 | -.449 | 345 | .230 | 0 | -1.020 | 255 |
| 5 | .384 | 0 | -.499 | 315 | .872 | 0 | -1.153 | 255 |
| 6 | .396 | 0 | -.604 | 270 | .895 | 0 | -1.152 | 300 |
| 7 | .131 | 30 | -.620 | 60 | .634 | 30 | -1.588 | 60 |
| 8 | .176 | 30 | -.352 | 330 | .572 | 30 | -.988 | 330 |
| 9 | .347 | 345 | -.337 | 255 | .985 | 345 | -.847 | 75 |
| 10 | .348 | 330 | -.444 | 255 | .857 | 330 | -.918 | 75 |
| 11 | .369 | 0 | -.496 | 255 | .832 | 0 | -.972 | 255 |
| 12 | .350 | 345 | -.644 | 270 | .852 | 345 | -1.330 | 270 |
| 13 | .425 | 345 | -.528 | 60 | .952 | 0 | -1.334 | 60 |
| 14 | .377 | 15 | -.492 | 60 | .871 | 15 | -1.286 | 60 |
| 15 | .434 | 330 | -.349 | 60 | .874 | 330 | -1.011 | 60 |
| 16 | .398 | 15 | -.394 | 255 | .838 | 15 | -.824 | 255 |
| 17 | .452 | 0 | -.444 | 270 | 1.013 | 0 | -.974 | 270 |
| 18 | .397 | 0 | -.536 | 270 | .936 | 315 | -1.096 | 270 |
| 19 | .448 | 0 | -.404 | 60 | .908 | 15 | -1.252 | 60 |
| 20 | .415 | 330 | -.408 | 60 | .842 | 345 | -1.080 | 60 |
| 21 | .399 | 330 | -.382 | 60 | .885 | 345 | -1.097 | 60 |
| 22 | .379 | 330 | -.427 | 255 | .792 | 330 | -.962 | 255 |
| 23 | .406 | 0 | -.438 | 270 | .854 | 345 | -1.221 | 270 |
| 24 | .405 | 345 | -.490 | 270 | .917 | 345 | -1.027 | 270 |
| 25 | .337 | 345 | -.356 | 60 | .834 | 330 | -1.076 | 45 |
| 26 | .350 | 345 | -.353 | 60 | .903 | 330 | -1.080 | 60 |
| 27 | .283 | 15 | -.352 | 255 | .691 | 15 | -1.191 | 60 |
| 28 | .297 | 0 | -.407 | 255 | .668 | 0 | -1.020 | 255 |
| 29 | .315 | 315 | -.441 | 255 | .710 | 315 | -1.018 | 255 |
| 30 | .318 | 0 | -.428 | 255 | .816 | 0 | -1.034 | 270 |
| 31 | .363 | 330 | -.308 | 60 | .755 | 330 | -.736 | 60 |
| 32 | .332 | 330 | -.346 | 60 | .745 | 330 | -.976 | 60 |
| 33 | .380 | 330 | -.298 | 60 | .844 | 330 | -1.165 | 255 |
| 34 | .301 | 315 | -.380 | 255 | .861 | 315 | -1.172 | 270 |
| 35 | .363 | 0 | -.433 | 255 | .823 | 0 | -.897 | 255 |
| 36 | .380 | 330 | -.092 | 255 | .869 | 0 | -.609 | 210 |
| 37 | -.193 | 90 | -.651 | 30 | .173 | 315 | -1.267 | 30 |
| 38 | -.190 | 90 | -.570 | 330 | .116 | 75 | -1.178 | 315 |
| 39 | -.196 | 180 | -.539 | 300 | .119 | 315 | -1.053 | 300 |
| 40 | -.181 | 180 | -.553 | 300 | .140 | 315 | -1.426 | 75 |
| 41 | -.192 | 180 | -.570 | 270 | .110 | 60 | -1.265 | 270 |
| 42 | -.190 | 45 | -.672 | 225 | .128 | 270 | -1.380 | 225 |
| 43 | .301 | 315 | -.784 | 30 | .813 | 315 | -1.450 | 15 |
| 44 | .291 | 315 | -.503 | 30 | .783 | 300 | -1.033 | 30 |
| 45 | .307 | 300 | -.341 | 210 | .762 | 315 | -1.353 | 90 |
| 46 | .300 | 300 | -.430 | 210 | .747 | 315 | -1.252 | 75 |
| 47 | .301 | 285 | -.516 | 210 | .764 | 285 | -1.196 | 210 |
| 48 | .325 | 285 | -.822 | 225 | .946 | 285 | -1.900 | 225 |
| 49 | .418 | 315 | -.559 | 15 | .922 | 315 | -1.158 | 15 |
| 50 | .422 | 315 | -.558 | 30 | .892 | 315 | -1.156 | 15 |
| 51 | .435 | 300 | -.442 | 30 | .913 | 285 | -.853 | 30 |

Table 6 (continued) WIND ENGINEERING STUDY OF FLUOR HEADQUARTERS BUILDING
IRVINE, CALIFORNIA

LARGEST AND SMALLEST PRESSURE COEFFICIENTS FOR EACH TAP

| TAP NUMBER | MAXIMUM MEAN PRESSURE COEFFICIENT | WIND DIRECTION | MINIMUM MEAN PRESSURE COEFFICIENT | WIND DIRECTION | MAXIMUM PEAK PRESSURE COEFFICIENT | WIND DIRECTION | MINIMUM PEAK PRESSURE COEFFICIENT | WIND DIRECTION |
|---------------|--|-------------------|--|-------------------|--|-------------------|--|-------------------|
| 52 | .446 | 285 | -.444 | 210 | .946 | 285 | -1.094 | 225 |
| 53 | .455 | 285 | -.613 | 225 | .960 | 285 | -1.167 | 225 |
| 54 | .411 | 285 | -.689 | 225 | .951 | 285 | -1.274 | 240 |
| 55 | .393 | 315 | -.490 | 30 | .895 | 315 | -.922 | 210 |
| 56 | .398 | 315 | -.510 | 30 | 1.043 | 300 | -.962 | 30 |
| 57 | .432 | 300 | -.510 | 15 | 1.000 | 300 | -1.180 | 15 |
| 58 | .422 | 300 | -.427 | 15 | .934 | 300 | -1.088 | 210 |
| 59 | .414 | 285 | -.575 | 225 | .904 | 285 | -1.285 | 15 |
| 60 | .362 | 285 | -.607 | 225 | .871 | 285 | -1.203 | 225 |
| 61 | .346 | 315 | -.500 | 30 | .742 | 315 | -1.213 | 30 |
| 62 | .353 | 300 | -.507 | 30 | .787 | 315 | -1.080 | 30 |
| 63 | .375 | 300 | -.381 | 30 | .713 | 315 | -1.086 | 210 |
| 64 | .361 | 300 | -.386 | 210 | .756 | 285 | -1.020 | 225 |
| 65 | .372 | 285 | -.523 | 225 | .796 | 285 | -1.154 | 225 |
| 66 | .336 | 285 | -.575 | 225 | .796 | 270 | -1.246 | 225 |
| 67 | .347 | 315 | -.499 | 30 | .752 | 315 | -1.195 | 30 |
| 68 | .365 | 315 | -.454 | 30 | .823 | 315 | -1.104 | 30 |
| 69 | .387 | 300 | -.710 | 15 | .836 | 300 | -.998 | 210 |
| 70 | .381 | 285 | -.356 | 210 | .765 | 285 | -.945 | 15 |
| 71 | .379 | 285 | -.480 | 225 | .842 | 285 | -1.098 | 225 |
| 72 | .316 | 285 | -.497 | 225 | .718 | 270 | -1.181 | 225 |
| 73 | -.166 | 75 | -.636 | 330 | .147 | 255 | -1.264 | 330 |
| 74 | -.155 | 75 | -.490 | 285 | .116 | 255 | -1.134 | 120 |
| 75 | -.147 | 75 | -.473 | 255 | .140 | 225 | -1.324 | 105 |
| 76 | -.152 | 75 | -.484 | 255 | .118 | 270 | -1.088 | 165 |
| 77 | -.178 | 75 | -.510 | 240 | .134 | 75 | -1.182 | 165 |
| 78 | -.174 | 30 | -.645 | 180 | .231 | 225 | -1.224 | 180 |
| 79 | .372 | 270 | -.765 | 330 | .881 | 270 | -1.677 | 330 |
| 80 | .355 | 270 | -.407 | 330 | .817 | 270 | -1.057 | 330 |
| 81 | .338 | 255 | -.337 | 345 | .753 | 270 | -1.002 | 105 |
| 82 | .357 | 255 | -.394 | 165 | .884 | 240 | -.889 | 345 |
| 83 | .383 | 240 | -.484 | 165 | .829 | 255 | -1.087 | 180 |
| 84 | .384 | 240 | -.689 | 180 | .898 | 255 | -1.514 | 165 |
| 85 | .381 | 270 | -.592 | 330 | .911 | 270 | -1.163 | 315 |
| 86 | .419 | 255 | -.554 | 330 | .921 | 270 | -1.097 | 330 |
| 87 | .409 | 255 | -.258 | 165 | .831 | 255 | -.862 | 330 |
| 88 | .440 | 255 | -.416 | 165 | .909 | 255 | -1.141 | 165 |
| 89 | .423 | 240 | -.487 | 180 | .892 | 255 | -1.192 | 180 |
| 90 | .324 | 240 | -.273 | 180 | .609 | 225 | -.801 | 180 |
| 91 | .391 | 270 | -.551 | 330 | .830 | 270 | -1.227 | 315 |
| 92 | .401 | 270 | -.520 | 330 | .866 | 255 | -1.100 | 330 |
| 93 | .398 | 255 | -.356 | 165 | .875 | 255 | -1.127 | 345 |
| 94 | .412 | 255 | -.391 | 165 | .918 | 255 | -1.144 | 165 |
| 95 | .402 | 240 | -.485 | 180 | .904 | 240 | -1.088 | 180 |
| 96 | .380 | 240 | -.542 | 180 | .969 | 225 | -1.060 | 180 |
| 97 | .329 | 270 | -.504 | 330 | .794 | 285 | -1.224 | 330 |
| 98 | .356 | 270 | -.496 | 330 | .831 | 285 | -1.066 | 330 |
| 99 | .381 | 255 | -.363 | 330 | .794 | 255 | -1.187 | 330 |
| 100 | .374 | 255 | -.375 | 165 | .803 | 255 | -1.022 | 345 |
| 101 | .348 | 240 | -.420 | 180 | .723 | 240 | -1.026 | 180 |
| 102 | .331 | 240 | -.467 | 180 | .721 | 225 | -1.064 | 180 |

Table 6 (continued) WIND ENGINEERING STUDY OF FLUOR HEADQUARTERS BUILDING
IRVINE, CALIFORNIA

LARGEST AND SMALLEST PRESSURE COEFFICIENTS FOR EACH TAP

| TAP NUMBER | MAXIMUM MEAN PRESSURE COEFFICIENT | WIND DIRECTION | MINIMUM MEAN PRESSURE COEFFICIENT | WIND DIRECTION | MAXIMUM PEAK PRESSURE COEFFICIENT | WIND DIRECTION | MINIMUM PEAK PRESSURE COEFFICIENT | WIND DIRECTION |
|---------------|--|-------------------|--|-------------------|--|-------------------|--|-------------------|
| 103 | .343 | 270 | -.436 | 330 | .782 | 255 | -1.123 | 330 |
| 104 | .371 | 270 | -.423 | 330 | .834 | 255 | -1.188 | 330 |
| 105 | .392 | 255 | -.303 | 345 | .860 | 255 | -1.030 | 345 |
| 106 | .396 | 255 | -.317 | 165 | .844 | 240 | -.856 | 345 |
| 107 | .379 | 240 | -.402 | 180 | .817 | 255 | -1.128 | 180 |
| 108 | .311 | 240 | -.317 | 180 | .646 | 240 | -.845 | 180 |
| 109 | -.163 | 30 | -.705 | 285 | .116 | 225 | -1.383 | 285 |
| 110 | -.167 | 30 | -.584 | 210 | .185 | 75 | -1.330 | 75 |
| 111 | -.158 | 45 | -.549 | 210 | .105 | 75 | -1.349 | 75 |
| 112 | -.153 | 30 | -.544 | 210 | .101 | 45 | -1.154 | 120 |
| 113 | -.143 | 45 | -.585 | 195 | .088 | 330 | -1.115 | 195 |
| 114 | -.146 | 45 | -.670 | 120 | .090 | 195 | -1.389 | 120 |
| 115 | .324 | 225 | -.827 | 285 | .797 | 225 | -1.821 | 285 |
| 116 | .304 | 225 | -.501 | 300 | .761 | 225 | -1.442 | 75 |
| 117 | .282 | 210 | -.436 | 300 | .733 | 210 | -.931 | 300 |
| 118 | .301 | 195 | -.450 | 120 | .853 | 210 | -1.022 | 120 |
| 119 | .309 | 195 | -.648 | 120 | .737 | 210 | -1.228 | 120 |
| 120 | .316 | 195 | -.804 | 135 | .783 | 180 | -1.690 | 120 |
| 121 | .400 | 225 | -.691 | 285 | .876 | 225 | -1.296 | 285 |
| 122 | .444 | 225 | -.645 | 285 | .937 | 225 | -1.289 | 285 |
| 123 | .437 | 210 | -.498 | 300 | 1.003 | 210 | -1.215 | 285 |
| 124 | .437 | 210 | -.570 | 120 | .973 | 210 | -1.034 | 135 |
| 125 | .415 | 195 | -.601 | 120 | .880 | 210 | -1.162 | 120 |
| 126 | .388 | 195 | -.544 | 135 | .825 | 180 | -1.009 | 120 |
| 127 | .383 | 225 | -.634 | 285 | .834 | 225 | -1.463 | 285 |
| 128 | .981 | 270 | -.605 | 285 | 1.037 | 270 | -1.306 | 285 |
| 129 | .406 | 210 | -.444 | 120 | .907 | 210 | -1.018 | 285 |
| 130 | .423 | 210 | -.520 | 120 | .933 | 210 | -1.121 | 120 |
| 131 | .393 | 195 | -.542 | 135 | .887 | 195 | -1.336 | 120 |
| 132 | .360 | 195 | -.592 | 135 | .918 | 195 | -1.137 | 135 |
| 133 | .343 | 225 | -.575 | 285 | .834 | 225 | -1.118 | 285 |
| 134 | .370 | 225 | -.554 | 285 | .799 | 210 | -1.144 | 285 |
| 135 | .343 | 210 | -.456 | 120 | .777 | 210 | -1.144 | 300 |
| 136 | .350 | 210 | -.530 | 120 | .726 | 210 | -1.138 | 120 |
| 137 | .360 | 195 | -.523 | 135 | .767 | 195 | -1.263 | 120 |
| 138 | .329 | 195 | -.584 | 135 | .849 | 180 | -1.230 | 135 |
| 139 | .327 | 225 | -.529 | 285 | .821 | 225 | -1.264 | 285 |
| 140 | .369 | 225 | -.526 | 285 | .802 | 225 | -1.136 | 285 |
| 141 | .373 | 210 | -.437 | 300 | .793 | 225 | -1.179 | 120 |
| 142 | .378 | 210 | -.481 | 120 | .837 | 210 | -1.215 | 120 |
| 143 | .349 | 195 | -.519 | 120 | .806 | 195 | -1.299 | 120 |
| 144 | .315 | 180 | -.516 | 120 | .820 | 180 | -1.223 | 120 |
| 145 | -.142 | 45 | -.701 | 240 | .186 | 180 | -1.574 | 240 |
| 146 | -.149 | 30 | -.637 | 180 | .167 | 180 | -1.291 | 180 |
| 147 | -.146 | 30 | -.559 | 195 | .124 | 60 | -1.111 | 255 |
| 148 | -.146 | 30 | -.506 | 165 | .133 | 150 | -1.119 | 315 |
| 149 | -.153 | 30 | -.504 | 135 | .086 | 150 | -1.276 | 135 |
| 150 | -.165 | 30 | -.566 | 180 | .091 | 150 | -1.159 | 135 |
| 151 | .353 | 180 | -.750 | 240 | .895 | 180 | -1.403 | 240 |
| 152 | .382 | 165 | -.481 | 240 | .860 | 165 | -1.149 | 240 |
| 153 | .381 | 165 | -.396 | 255 | .845 | 165 | -.892 | 75 |

Table 6 (continued) WIND ENGINEERING STUDY OF FLUOR HEADQUARTERS BUILDING
IRVINE, CALIFORNIA

LARGEST AND SMALLEST PRESSURE COEFFICIENTS FOR EACH TAP

| TAP NUMBER | MAXIMUM MEAN PRESSURE COEFFICIENT | WIND DIRECTION | MINIMUM MEAN PRESSURE COEFFICIENT | WIND DIRECTION | MAXIMUM PEAK PRESSURE COEFFICIENT | WIND DIRECTION | MINIMUM PEAK PRESSURE COEFFICIENT | WIND DIRECTION |
|---------------|--|-------------------|--|-------------------|--|-------------------|--|-------------------|
| 154 | .385 | 165 | -.342 | 255 | .860 | 150 | -1.011 | 315 |
| 155 | .365 | 150 | -.344 | 75 | .822 | 165 | -.969 | 75 |
| 156 | .356 | 150 | -.738 | 90 | .831 | 150 | -2.036 | 90 |
| 157 | .426 | 180 | -.604 | 240 | 1.039 | 180 | -1.106 | 240 |
| 158 | .433 | 180 | -.560 | 240 | 1.013 | 180 | -1.076 | 240 |
| 159 | .425 | 165 | -.363 | 255 | .920 | 180 | -1.271 | 75 |
| 160 | .426 | 150 | -.452 | 90 | .993 | 135 | -1.413 | 90 |
| 161 | .444 | 150 | -.651 | 90 | 1.139 | 135 | -1.667 | 90 |
| 162 | .421 | 135 | -.664 | 90 | .920 | 135 | -1.570 | 90 |
| 163 | .376 | 180 | -.564 | 240 | .826 | 180 | -1.176 | 240 |
| 164 | .388 | 180 | -.531 | 240 | .835 | 165 | -1.182 | 240 |
| 165 | .411 | 165 | -.362 | 240 | .834 | 150 | -1.159 | 90 |
| 166 | .407 | 165 | -.482 | 90 | .830 | 150 | -1.159 | 90 |
| 167 | .400 | 150 | -.566 | 90 | .896 | 150 | -1.248 | 90 |
| 168 | .365 | 135 | -.554 | 90 | .839 | 135 | -1.302 | 90 |
| 169 | .334 | 180 | -.498 | 240 | .736 | 180 | -1.169 | 240 |
| 170 | .348 | 180 | -.491 | 240 | .743 | 180 | -1.125 | 240 |
| 171 | .338 | 165 | -.372 | 240 | .769 | 165 | -1.152 | 240 |
| 172 | .358 | 150 | -.463 | 90 | .800 | 150 | -1.356 | 90 |
| 173 | .358 | 150 | -.466 | 90 | .821 | 150 | -1.201 | 90 |
| 174 | .311 | 135 | -.457 | 90 | .836 | 135 | -1.375 | 255 |
| 175 | .345 | 180 | -.465 | 240 | .788 | 180 | -1.291 | 240 |
| 176 | .368 | 180 | -.456 | 240 | .894 | 180 | -1.214 | 240 |
| 177 | .373 | 165 | -.325 | 255 | .849 | 180 | -1.111 | 90 |
| 178 | .373 | 150 | -.388 | 90 | .824 | 135 | -1.315 | 90 |
| 179 | .361 | 150 | -.443 | 90 | .809 | 150 | -1.474 | 90 |
| 180 | .281 | 135 | -.425 | 90 | .733 | 135 | -1.292 | 75 |
| 181 | .407 | 120 | -.441 | 180 | .954 | 120 | -.895 | 180 |
| 182 | .437 | 120 | -.460 | 180 | .898 | 75 | -.975 | 180 |
| 183 | .382 | 120 | -.422 | 180 | .810 | 120 | -.789 | 180 |
| 184 | .423 | 105 | -.438 | 165 | .934 | 90 | -.885 | 180 |
| 185 | .320 | 120 | -.419 | 180 | .725 | 120 | -.814 | 180 |
| 186 | .394 | 105 | -.442 | 180 | .807 | 45 | -.890 | 180 |
| 187 | .278 | 120 | -.449 | 180 | .686 | 135 | -1.026 | 165 |
| 188 | .424 | 120 | -.457 | 180 | .924 | 75 | -1.018 | 180 |
| 189 | .475 | 120 | -.447 | 180 | .949 | 120 | -1.018 | 180 |
| 190 | .473 | 120 | -.475 | 180 | .932 | 120 | -1.125 | 180 |
| 191 | .393 | 105 | -.454 | 180 | .891 | 105 | -1.220 | 180 |
| 192 | .338 | 90 | -.446 | 180 | .935 | 105 | -1.444 | 180 |
| 193 | .423 | 105 | -.433 | 180 | .917 | 90 | -.909 | 165 |
| 194 | .422 | 105 | -.461 | 180 | .884 | 90 | -.978 | 165 |
| 195 | .414 | 105 | -.451 | 180 | .782 | 120 | -1.089 | 180 |
| 196 | .364 | 105 | -.468 | 180 | .826 | 105 | -1.375 | 180 |
| 197 | .394 | 105 | -.416 | 180 | .785 | 105 | -.861 | 180 |
| 198 | .404 | 105 | -.461 | 165 | .798 | 105 | -1.077 | 165 |
| 199 | .373 | 105 | -.491 | 180 | .830 | 75 | -1.079 | 180 |
| 200 | .304 | 105 | -.493 | 180 | .801 | 75 | -1.515 | 180 |
| 201 | .424 | 120 | -.459 | 180 | .983 | 105 | -1.009 | 165 |
| 202 | .322 | 105 | -.434 | 180 | .877 | 105 | -1.139 | 165 |
| 203 | .313 | 105 | -.467 | 180 | .767 | 120 | -1.073 | 180 |
| 204 | .339 | 90 | -.401 | 180 | .814 | 90 | -1.400 | 180 |

Table 6 (continued) WIND ENGINEERING STUDY OF FLUOR HEADQUARTERS BUILDING
IRVINE, CALIFORNIA

LARGEST AND SMALLEST PRESSURE COEFFICIENTS FOR EACH TAP

| TAP NUMBER | MAXIMUM MEAN PRESSURE COEFFICIENT | WIND DIRECTION | MINIMUM MEAN PRESSURE COEFFICIENT | WIND DIRECTION | MAXIMUM PEAK PRESSURE COEFFICIENT | WIND DIRECTION | MINIMUM PEAK PRESSURE COEFFICIENT | WIND DIRECTION |
|---------------|--|-------------------|--|-------------------|--|-------------------|--|-------------------|
| 205 | .343 | 90 | -.614 | 150 | .833 | 90 | -1.564 | 165 |
| 206 | .347 | 90 | -.322 | 180 | .801 | 75 | -.882 | 180 |
| 207 | .337 | 75 | -.313 | 195 | .732 | 60 | -1.039 | 180 |
| 208 | .263 | 75 | -.613 | 0 | .758 | 75 | -1.361 | 0 |
| 209 | .337 | 90 | -.536 | 150 | .735 | 75 | -1.175 | 150 |
| 210 | .393 | 75 | -.348 | 180 | .842 | 75 | -.899 | 180 |
| 211 | .387 | 75 | -.322 | 195 | .911 | 60 | -.779 | 180 |
| 212 | .320 | 75 | -.557 | 0 | .887 | 45 | -1.505 | 0 |
| 213 | .311 | 90 | -.421 | 180 | .704 | 60 | -.928 | 150 |
| 214 | .323 | 90 | -.357 | 180 | .829 | 75 | -.924 | 180 |
| 215 | .328 | 75 | -.313 | 195 | .778 | 60 | -.887 | 180 |
| 216 | .301 | 75 | -.516 | 0 | .731 | 75 | -1.358 | 0 |
| 217 | .336 | 75 | -.361 | 180 | .839 | 75 | -.983 | 180 |
| 218 | .370 | 75 | -.307 | 180 | .826 | 75 | -.944 | 180 |
| 219 | .342 | 75 | -.291 | 195 | .813 | 75 | -.902 | 180 |
| 220 | .325 | 75 | -.287 | 195 | .770 | 75 | -.922 | 180 |
| 221 | .217 | 75 | -.295 | 345 | .707 | 75 | -.857 | 180 |
| 222 | .296 | 15 | -.306 | 345 | .758 | 15 | -.861 | 345 |
| 223 | .336 | 30 | -.303 | 345 | 1.026 | 45 | -.660 | 345 |
| 224 | .352 | 75 | -.292 | 345 | 1.085 | 60 | -.640 | 345 |
| 225 | .256 | 60 | -.309 | 345 | .803 | 60 | -.830 | 345 |
| 226 | .327 | 45 | -.331 | 345 | .834 | 60 | -.826 | 345 |
| 227 | .351 | 45 | -.337 | 345 | 1.028 | 60 | -.690 | 345 |
| 228 | .382 | 75 | -.346 | 345 | 1.158 | 60 | -.683 | 345 |
| 229 | .276 | 75 | -.319 | 150 | .694 | 75 | -.722 | 180 |
| 230 | .314 | 75 | -.327 | 135 | .800 | 60 | -.771 | 150 |
| 231 | .338 | 45 | -.327 | 345 | .838 | 45 | -.675 | 345 |
| 232 | .344 | 75 | -.314 | 345 | .850 | 45 | -.754 | 345 |
| 233 | .350 | 75 | -.249 | 195 | .800 | 60 | -.611 | 180 |
| 234 | .385 | 75 | -.263 | 195 | .861 | 60 | -.519 | 180 |
| 235 | .388 | 45 | -.214 | 195 | 1.213 | 30 | -.570 | 345 |
| 236 | .384 | 45 | -.211 | 195 | 1.099 | 45 | -.390 | 180 |
| 237 | .336 | 75 | -.289 | 345 | .852 | 30 | -1.025 | 15 |
| 238 | .357 | 45 | -.285 | 345 | .971 | 45 | -.794 | 30 |
| 239 | .387 | 75 | -.339 | 345 | .971 | 90 | -.671 | 345 |
| 240 | .267 | 45 | -.336 | 345 | .892 | 60 | -.711 | 195 |
| 241 | .339 | 75 | -.382 | 345 | .796 | 105 | -.767 | 345 |
| 242 | .167 | 45 | -.403 | 345 | .670 | 45 | -.860 | 345 |
| 243 | .327 | 45 | -.219 | 195 | 1.023 | 60 | -.434 | 345 |
| 244 | .213 | 15 | -.440 | 345 | .594 | 45 | -1.126 | 345 |
| 245 | -.147 | 30 | -.527 | 180 | .129 | 135 | -1.059 | 180 |
| 246 | -.129 | 30 | -.499 | 120 | .121 | 90 | -1.196 | 150 |
| 247 | -.124 | 45 | -.461 | 120 | .126 | 150 | -.905 | 330 |
| 248 | -.113 | 45 | -.422 | 105 | .177 | 105 | -1.124 | 255 |
| 249 | -.123 | 60 | -.569 | 105 | .190 | 60 | -1.293 | 105 |
| 250 | -.193 | 60 | -.537 | 180 | .156 | 75 | -1.164 | 105 |
| 251 | .376 | 135 | -.523 | 180 | .822 | 135 | -1.248 | 180 |
| 252 | .373 | 135 | -.374 | 195 | .840 | 120 | -.818 | 255 |
| 253 | .356 | 135 | -.298 | 195 | .869 | 135 | -1.011 | 330 |
| 254 | .344 | 135 | -.279 | 0 | .825 | 135 | -1.161 | 330 |
| 255 | .351 | 105 | -.443 | 15 | .863 | 120 | -.952 | 255 |

Table 6 (continued) WIND ENGINEERING STUDY OF FLUOR HEADQUARTERS BUILDING
IRVINE, CALIFORNIA

LARGEST AND SMALLEST PRESSURE COEFFICIENTS FOR EACH TAP

| TAP NUMBER | MAXIMUM MEAN PRESSURE COEFFICIENT | WIND DIRECTION | MINIMUM MEAN PRESSURE COEFFICIENT | WIND DIRECTION | MAXIMUM PEAK PRESSURE COEFFICIENT | WIND DIRECTION | MINIMUM PEAK PRESSURE COEFFICIENT | WIND DIRECTION |
|---------------|--|-------------------|--|-------------------|--|-------------------|--|-------------------|
| 256 | .380 | 105 | -.462 | 15 | .859 | 90 | -.961 | 15 |
| 257 | .412 | 135 | -.537 | 180 | .876 | 135 | -1.622 | 90 |
| 258 | .408 | 120 | -.341 | 195 | .852 | 135 | -1.402 | 90 |
| 259 | .425 | 120 | -.347 | 195 | .807 | 135 | -.803 | 195 |
| 260 | .426 | 120 | -.441 | 15 | .847 | 120 | -1.074 | 15 |
| 261 | .433 | 105 | -.547 | 15 | .800 | 120 | -1.319 | 15 |
| 262 | .432 | 105 | -.494 | 30 | .844 | 105 | -1.120 | 30 |
| 263 | -.178 | 60 | -.619 | 165 | .350 | 90 | -1.320 | 105 |
| 264 | -.109 | 45 | -.624 | 105 | .417 | 90 | -1.590 | 105 |
| 265 | -.118 | 45 | -.460 | 120 | .369 | 45 | -1.015 | 105 |
| 266 | -.142 | 60 | -.391 | 345 | .403 | 60 | -1.072 | 315 |
| 267 | -.202 | 285 | -.504 | 345 | .368 | 45 | -.984 | 330 |
| 268 | -.134 | 45 | -.674 | 345 | .403 | 45 | -1.146 | 345 |
| 269 | .356 | 90 | -.645 | 165 | .852 | 90 | -1.539 | 165 |
| 270 | .384 | 75 | -.585 | 180 | .953 | 75 | -1.101 | 180 |
| 271 | .395 | 75 | -.389 | 180 | .846 | 75 | -1.048 | 315 |
| 272 | .393 | 75 | -.338 | 195 | .941 | 60 | -.891 | 210 |
| 273 | .319 | 75 | -.271 | 345 | .665 | 75 | -.895 | 195 |
| 274 | .367 | 60 | -.650 | 345 | .906 | 75 | -1.203 | 330 |
| 276 | .384 | 75 | -.575 | 180 | .813 | 90 | -1.197 | 180 |
| 277 | .390 | 75 | -.452 | 180 | .818 | 60 | -1.327 | 180 |
| 278 | .383 | 75 | -.367 | 345 | .847 | 75 | -1.317 | 180 |
| 279 | .381 | 75 | -.504 | 345 | .794 | 75 | -1.156 | 345 |
| 280 | .338 | 75 | -.703 | 345 | .851 | 45 | -1.516 | 345 |
| 281 | -.095 | 45 | -.510 | 135 | .572 | 45 | -1.060 | 135 |
| 282 | -.115 | 45 | -.481 | 165 | .403 | 45 | -1.275 | 165 |
| 283 | -.107 | 45 | -.372 | 330 | .384 | 30 | -1.371 | 180 |
| 284 | -.136 | 45 | -.442 | 330 | .340 | 45 | -1.163 | 180 |
| 285 | -.119 | 60 | -.410 | 345 | .370 | 30 | -.876 | 15 |
| 286 | -.168 | 45 | -.534 | 330 | .250 | 30 | -1.012 | 315 |
| 287 | .342 | 45 | -.501 | 135 | .894 | 60 | -1.326 | 135 |
| 288 | .374 | 45 | -.478 | 135 | .956 | 45 | -1.073 | 180 |
| 289 | .383 | 45 | -.299 | 195 | .944 | 45 | -.848 | 195 |
| 290 | .366 | 45 | -.276 | 180 | .925 | 45 | -1.112 | 180 |
| 291 | .385 | 15 | -.392 | 300 | .861 | 30 | -1.239 | 180 |
| 292 | .407 | 15 | -.519 | 315 | .872 | 0 | -1.012 | 330 |
| 293 | .319 | 45 | -.611 | 120 | .788 | 45 | -1.244 | 120 |
| 294 | .313 | 45 | -.728 | 135 | .770 | 45 | -1.611 | 120 |
| 295 | .333 | 45 | -.576 | 120 | .824 | 45 | -1.485 | 120 |
| 296 | .338 | 15 | -.358 | 120 | .836 | 15 | -.901 | 105 |
| 298 | .381 | 15 | -.359 | 330 | .859 | 15 | -1.792 | 60 |
| 299 | -.122 | 120 | -.681 | 330 | .172 | 285 | -1.195 | 330 |
| 300 | -.059 | 60 | -.689 | 330 | .170 | 60 | -1.245 | 255 |
| 301 | -.023 | 120 | -.636 | 285 | .181 | 120 | -1.144 | 285 |
| 302 | -.031 | 120 | -.698 | 225 | .187 | 120 | -1.241 | 225 |
| 303 | -.015 | 105 | -.585 | 225 | .287 | 75 | -1.124 | 225 |
| 304 | -.205 | 45 | -.591 | 225 | .044 | 60 | -1.644 | 165 |
| 305 | -.020 | 75 | -.605 | 225 | .328 | 60 | -1.307 | 255 |
| 306 | -.055 | 30 | -.670 | 120 | .344 | 225 | -1.255 | 135 |
| 307 | -.110 | 0 | -.634 | 105 | .235 | 75 | -1.136 | 105 |
| 308 | -.141 | 255 | -.553 | 90 | .379 | 45 | -1.215 | 105 |

Table 6 (continued) WIND ENGINEERING STUDY OF FLUOR HEADQUARTERS BUILDING
IRVINE, CALIFORNIA

LARGEST AND SMALLEST PRESSURE COEFFICIENTS FOR EACH TAP

| TAP NUMBER | MAXIMUM MEAN PRESSURE COEFFICIENT | WIND DIRECTION | MINIMUM MEAN PRESSURE COEFFICIENT | WIND DIRECTION | MAXIMUM PEAK PRESSURE COEFFICIENT | WIND DIRECTION | MINIMUM PEAK PRESSURE COEFFICIENT | WIND DIRECTION |
|---------------|--|-------------------|--|-------------------|--|-------------------|--|-------------------|
| 309 | -.051 | 255 | -.419 | 0 | .269 | 60 | -.889 | 315 |
| 310 | .180 | 15 | -.382 | 195 | .679 | 315 | -1.027 | 315 |
| 311 | .154 | 15 | -.345 | 195 | .474 | 285 | -.815 | 315 |
| 312 | .043 | 255 | -.538 | 300 | .579 | 315 | -1.237 | 300 |
| 313 | .019 | 255 | -.566 | 300 | .495 | 255 | -.977 | 300 |
| 314 | .109 | 210 | -.531 | 255 | .616 | 225 | -1.136 | 255 |
| 315 | -.022 | 210 | -.603 | 255 | .540 | 225 | -.995 | 255 |
| 316 | .125 | 165 | -.479 | 210 | .720 | 210 | -1.130 | 210 |
| 317 | .028 | 165 | -.578 | 210 | .607 | 165 | -1.050 | 195 |
| 318 | .090 | 210 | -.426 | 165 | .557 | 195 | -1.102 | 165 |
| 319 | .005 | 210 | -.568 | 165 | .480 | 210 | -1.060 | 165 |
| 320 | .149 | 75 | -.351 | 120 | .657 | 120 | -1.146 | 120 |
| 321 | .091 | 75 | -.537 | 120 | .608 | 75 | -.950 | 120 |
| 322 | .209 | 0 | -.331 | 195 | .903 | 60 | -.978 | 90 |
| 323 | .203 | 45 | -.304 | 210 | .616 | 45 | -.889 | 90 |
| 324 | .154 | 60 | -.372 | 165 | .977 | 45 | -.944 | 165 |
| 325 | .139 | 60 | -.335 | 315 | .637 | 30 | -.725 | 315 |
| 326 | .005 | 75 | -.392 | 315 | .340 | 75 | -.688 | 330 |
| 327 | -.098 | 60 | -.226 | 195 | .049 | 75 | -.401 | 195 |
| 328 | -.137 | 255 | -.351 | 105 | .132 | 315 | -.624 | 0 |
| 329 | .293 | 75 | -.281 | 195 | .822 | 75 | -.676 | 180 |
| 330 | .315 | 75 | -.279 | 195 | .827 | 75 | -.713 | 180 |
| 331 | .160 | 75 | -.303 | 315 | .503 | 45 | -.754 | 180 |
| 332 | .179 | 75 | -.260 | 195 | .563 | 75 | -.608 | 195 |
| 333 | .131 | 45 | -.303 | 345 | .406 | 45 | -.918 | 180 |
| 334 | .131 | 45 | -.232 | 330 | .597 | 75 | -.527 | 195 |
| 335 | .088 | 45 | -.296 | 345 | .311 | 45 | -.763 | 180 |
| 336 | .157 | 105 | -.245 | 345 | .529 | 180 | -.518 | 255 |
| 337 | .256 | 75 | -.412 | 345 | .784 | 75 | -1.083 | 330 |
| 338 | .238 | 75 | -.556 | 345 | .484 | 60 | -.979 | 345 |
| 339 | .239 | 75 | -.280 | 195 | .620 | 75 | -.979 | 180 |
| 340 | .215 | 75 | -.296 | 195 | .616 | 75 | -.807 | 0 |
| 341 | .354 | 105 | -.421 | 180 | .781 | 105 | -1.253 | 180 |
| 342 | .245 | 75 | -.312 | 345 | .790 | 45 | -.829 | 345 |

Table 7. WIND ENGINEERING STUDY OF FLUOR HEADQUARTERS BUILDING
IRVINE, CALIFORNIA

LARGEST AND SMALLEST PRESSURE LOADS FOR EACH TAP

| TAP NUMBER | MAXIMUM MEAN PRESSURE (PSF) | WIND DIRECTION | MINIMUM MEAN PRESSURE (PSF) | WIND DIRECTION | MAXIMUM PEAK PRESSURE (PSF) | WIND DIRECTION | MINIMUM PEAK PRESSURE (PSF) | WIND DIRECTION |
|---------------|--------------------------------------|-------------------|--------------------------------------|-------------------|--------------------------------------|-------------------|--------------------------------------|-------------------|
| 1 | -3.864 | 30 | -11.592 | 60 | 5.428 | 30 | -34.454 | 60 |
| 2 | -2.277 | 45 | -10.350 | 345 | 4.784 | 30 | -21.781 | 330 |
| 3 | -3.335 | 45 | -11.477 | 330 | 4.163 | 0 | -24.242 | 210 |
| 4 | -3.841 | 165 | -10.327 | 345 | 5.290 | 0 | -23.460 | 255 |
| 5 | 8.832 | 0 | -11.477 | 315 | 20.056 | 0 | -26.519 | 255 |
| 6 | 9.108 | 0 | -13.892 | 270 | 20.585 | 0 | -26.496 | 300 |
| 7 | 3.013 | 30 | -14.260 | 60 | 14.582 | 30 | -36.524 | 60 |
| 8 | 4.048 | 30 | -8.096 | 330 | 13.156 | 30 | -22.724 | 330 |
| 9 | 7.981 | 345 | -7.751 | 255 | 22.655 | 345 | -19.481 | 75 |
| 10 | 8.004 | 330 | -10.212 | 255 | 19.711 | 330 | -21.114 | 75 |
| 11 | 8.487 | 0 | -11.408 | 255 | 19.136 | 0 | -22.356 | 255 |
| 12 | 8.050 | 345 | -14.812 | 270 | 19.596 | 345 | -30.590 | 270 |
| 13 | 9.775 | 345 | -12.144 | 60 | 21.896 | 0 | -30.682 | 60 |
| 14 | 8.671 | 15 | -11.316 | 60 | 20.033 | 15 | -29.578 | 60 |
| 15 | 9.982 | 330 | -8.027 | 60 | 20.102 | 330 | -23.253 | 60 |
| 16 | 9.154 | 15 | -9.062 | 255 | 19.274 | 15 | -18.952 | 255 |
| 17 | 10.396 | 0 | -10.212 | 270 | 23.299 | 0 | -22.402 | 270 |
| 18 | 9.131 | 0 | -12.328 | 270 | 21.528 | 315 | -25.208 | 270 |
| 19 | 10.304 | 0 | -9.292 | 60 | 20.864 | 15 | -28.796 | 60 |
| 20 | 9.545 | 330 | -9.384 | 60 | 19.366 | 345 | -24.840 | 60 |
| 21 | 9.177 | 330 | -8.786 | 60 | 20.355 | 345 | -25.231 | 60 |
| 22 | 8.717 | 330 | -9.821 | 255 | 18.216 | 330 | -22.126 | 255 |
| 23 | 9.338 | 0 | -10.074 | 270 | 19.642 | 345 | -28.083 | 270 |
| 24 | 9.315 | 345 | -11.270 | 270 | 21.091 | 345 | -23.621 | 270 |
| 25 | 7.751 | 345 | -8.188 | 60 | 19.182 | 330 | -24.748 | 45 |
| 26 | 8.050 | 345 | -8.119 | 60 | 20.769 | 330 | -24.840 | 60 |
| 27 | 6.509 | 15 | -8.096 | 255 | 15.893 | 15 | -27.393 | 60 |
| 28 | 6.831 | 0 | -9.361 | 255 | 15.364 | 0 | -23.460 | 255 |
| 29 | 7.245 | 315 | -10.143 | 255 | 16.330 | 315 | -23.414 | 255 |
| 30 | 7.314 | 0 | -9.844 | 255 | 18.768 | 0 | -23.782 | 270 |
| 31 | 8.349 | 330 | -7.084 | 60 | 17.365 | 330 | -16.928 | 60 |
| 32 | 7.636 | 330 | -7.958 | 60 | 17.135 | 330 | -22.448 | 60 |
| 33 | 8.740 | 330 | -6.854 | 60 | 19.412 | 330 | -26.795 | 255 |
| 34 | 6.923 | 315 | -8.740 | 255 | 19.803 | 315 | -26.956 | 270 |
| 35 | 8.349 | 0 | -9.959 | 255 | 18.929 | 0 | -20.631 | 255 |
| 36 | 8.740 | 330 | -2.116 | 255 | 19.987 | 0 | -14.007 | 210 |
| 37 | -4.439 | 90 | -14.973 | 30 | 3.979 | 315 | -29.141 | 30 |
| 38 | -4.370 | 90 | -13.110 | 330 | 2.668 | 75 | -27.094 | 315 |
| 39 | -4.508 | 180 | -12.397 | 300 | 2.737 | 315 | -24.219 | 300 |
| 40 | -4.163 | 180 | -12.719 | 300 | 3.220 | 315 | -32.798 | 75 |
| 41 | -4.416 | 180 | -13.110 | 270 | 2.530 | 60 | -29.095 | 270 |
| 42 | -4.370 | 45 | -15.456 | 225 | 2.944 | 270 | -31.740 | 225 |
| 43 | 6.923 | 315 | -18.032 | 30 | 18.699 | 315 | -33.350 | 15 |
| 44 | 6.693 | 315 | -11.569 | 30 | 18.009 | 300 | -23.759 | 30 |
| 45 | 7.061 | 300 | -7.843 | 210 | 17.526 | 315 | -31.119 | 90 |
| 46 | 6.900 | 300 | -9.890 | 210 | 17.181 | 315 | -28.796 | 75 |
| 47 | 6.923 | 285 | -11.868 | 210 | 17.572 | 285 | -27.508 | 210 |
| 48 | 7.475 | 285 | -18.906 | 225 | 21.758 | 285 | -43.700 | 225 |
| 49 | 9.614 | 315 | -12.857 | 15 | 21.206 | 315 | -26.634 | 15 |
| 50 | 9.706 | 315 | -12.834 | 30 | 20.516 | 315 | -26.588 | 15 |
| 51 | 10.005 | 300 | -10.166 | 30 | 20.999 | 285 | -19.619 | 30 |

Table 7 (continued) WIND ENGINEERING STUDY OF FLUOR HEADQUARTERS BUILDING
IRVINE, CALIFORNIA

LARGEST AND SMALLEST PRESSURE LOADS FOR EACH TAP

| TAP NUMBER | MAXIMUM MEAN PRESSURE (PSF) | WIND DIRECTION | MINIMUM MEAN PRESSURE (PSF) | WIND DIRECTION | MAXIMUM PEAK PRESSURE (PSF) | WIND DIRECTION | MINIMUM PEAK PRESSURE (PSF) | WIND DIRECTION |
|---------------|--------------------------------------|-------------------|--------------------------------------|-------------------|--------------------------------------|-------------------|--------------------------------------|-------------------|
| 52 | 10.258 | 285 | -10.327 | 210 | 21.758 | 285 | -25.162 | 225 |
| 53 | 10.465 | 285 | -14.099 | 225 | 22.080 | 285 | -26.841 | 225 |
| 54 | 9.453 | 285 | -15.847 | 225 | 21.873 | 285 | -29.302 | 240 |
| 55 | 9.039 | 315 | -11.270 | 30 | 20.585 | 315 | -21.206 | 210 |
| 56 | 9.154 | 315 | -11.730 | 30 | 23.989 | 300 | -22.126 | 30 |
| 57 | 9.936 | 300 | -11.730 | 15 | 23.000 | 300 | -27.140 | 15 |
| 58 | 9.706 | 300 | -9.821 | 15 | 21.482 | 300 | -25.024 | 210 |
| 59 | 9.522 | 285 | -13.225 | 225 | 20.792 | 285 | -29.555 | 15 |
| 60 | 8.326 | 285 | -13.961 | 225 | 20.033 | 285 | -27.669 | 225 |
| 61 | 7.958 | 315 | -11.500 | 30 | 17.066 | 315 | -27.899 | 30 |
| 62 | 8.119 | 300 | -11.661 | 30 | 18.101 | 315 | -24.840 | 30 |
| 63 | 8.625 | 300 | -8.763 | 30 | 16.399 | 315 | -24.978 | 210 |
| 64 | 8.303 | 300 | -8.878 | 210 | 17.388 | 285 | -23.460 | 225 |
| 65 | 8.556 | 285 | -12.029 | 225 | 18.308 | 285 | -26.542 | 225 |
| 66 | 7.728 | 285 | -13.225 | 225 | 18.308 | 270 | -28.658 | 225 |
| 67 | 7.981 | 315 | -11.477 | 30 | 17.296 | 315 | -27.485 | 30 |
| 68 | 8.395 | 315 | -10.442 | 30 | 18.929 | 315 | -25.392 | 30 |
| 69 | 8.901 | 300 | -16.330 | 15 | 19.228 | 300 | -22.954 | 210 |
| 70 | 8.763 | 285 | -8.188 | 210 | 17.595 | 285 | -21.735 | 15 |
| 71 | 8.717 | 285 | -11.040 | 225 | 19.366 | 285 | -25.254 | 225 |
| 72 | 7.268 | 285 | -11.431 | 225 | 16.514 | 270 | -27.163 | 225 |
| 73 | -3.818 | 75 | -14.628 | 330 | 3.381 | 255 | -29.072 | 330 |
| 74 | -3.565 | 75 | -11.270 | 285 | 2.668 | 255 | -26.082 | 120 |
| 75 | -3.381 | 75 | -10.879 | 255 | 3.220 | 225 | -30.452 | 105 |
| 76 | -3.496 | 75 | -11.132 | 255 | 2.714 | 270 | -25.024 | 165 |
| 77 | -4.094 | 75 | -11.730 | 240 | 3.082 | 75 | -27.186 | 165 |
| 78 | -4.002 | 30 | -14.835 | 180 | 5.313 | 225 | -28.152 | 180 |
| 79 | 8.556 | 270 | -17.595 | 330 | 20.263 | 270 | -38.571 | 330 |
| 80 | 8.165 | 270 | -9.361 | 330 | 18.791 | 270 | -24.311 | 330 |
| 81 | 7.774 | 255 | -7.751 | 345 | 17.319 | 270 | -23.046 | 105 |
| 82 | 8.211 | 255 | -9.062 | 165 | 20.332 | 240 | -20.447 | 345 |
| 83 | 8.809 | 240 | -11.132 | 165 | 19.067 | 255 | -25.001 | 180 |
| 84 | 8.832 | 240 | -15.847 | 180 | 20.654 | 255 | -34.822 | 165 |
| 85 | 8.763 | 270 | -13.616 | 330 | 20.953 | 270 | -26.749 | 315 |
| 86 | 9.637 | 255 | -12.742 | 330 | 21.183 | 270 | -25.231 | 330 |
| 87 | 9.407 | 255 | -5.934 | 165 | 19.113 | 255 | -19.826 | 330 |
| 88 | 10.120 | 255 | -4.568 | 165 | 20.907 | 255 | -26.243 | 165 |
| 89 | 9.729 | 240 | -11.201 | 180 | 20.516 | 255 | -27.416 | 180 |
| 90 | 7.452 | 240 | -6.279 | 180 | 14.007 | 225 | -18.423 | 180 |
| 91 | 8.993 | 270 | -12.673 | 330 | 19.090 | 270 | -28.221 | 315 |
| 92 | 9.223 | 270 | -11.960 | 330 | 19.918 | 255 | -25.300 | 330 |
| 93 | 9.154 | 255 | -8.188 | 165 | 20.125 | 255 | -25.921 | 345 |
| 94 | 9.476 | 255 | -8.993 | 165 | 21.114 | 255 | -26.312 | 165 |
| 95 | 9.246 | 240 | -11.155 | 180 | 20.792 | 240 | -25.024 | 180 |
| 96 | 8.740 | 240 | -12.466 | 180 | 22.287 | 225 | -24.380 | 180 |
| 97 | 7.567 | 270 | -11.592 | 330 | 18.262 | 285 | -28.152 | 330 |
| 98 | 8.188 | 270 | -11.408 | 330 | 19.113 | 285 | -24.518 | 330 |
| 99 | 8.763 | 255 | -8.349 | 330 | 18.262 | 255 | -27.301 | 330 |
| 100 | 8.602 | 255 | -8.625 | 165 | 18.469 | 255 | -23.506 | 345 |
| 101 | 8.604 | 240 | -9.660 | 180 | 16.629 | 240 | -23.598 | 180 |
| 102 | 7.513 | 240 | -10.741 | 180 | 16.583 | 225 | -24.472 | 180 |

Table 7 (continued) WIND ENGINEERING STUDY OF FLUOR HEADQUARTERS BUILDING
IRVINE, CALIFORNIA

LARGEST AND SMALLEST PRESSURE LOADS FOR EACH TAP

| TAP NUMBR | MAXIMUM MEAN PRESSURE (PSF) | WIND DIRECTION | MINIMUM MEAN PRESSURE (PSF) | WIND DIRECTION | MAXIMUM PEAK PRESSURE (PSF) | WIND DIRECTION | MINIMUM PEAK PRESSURE (PSF) | WIND DIRECTION |
|--------------|--------------------------------------|-------------------|--------------------------------------|-------------------|--------------------------------------|-------------------|--------------------------------------|-------------------|
| 103 | 7.889 | 270 | -10.028 | 330 | 17.986 | 255 | -25.829 | 330 |
| 104 | 8.533 | 270 | -9.729 | 330 | 19.182 | 255 | -27.324 | 330 |
| 105 | 9.016 | 255 | -6.969 | 345 | 19.780 | 255 | -23.690 | 345 |
| 106 | 9.108 | 255 | -7.291 | 165 | 19.412 | 240 | -19.688 | 345 |
| 107 | 8.717 | 240 | -9.246 | 180 | 18.791 | 255 | -25.944 | 180 |
| 108 | 7.153 | 240 | -7.291 | 180 | 14.858 | 240 | -19.435 | 180 |
| 109 | -3.749 | 30 | -16.215 | 285 | 2.668 | 225 | -31.809 | 285 |
| 110 | -3.841 | 30 | -13.432 | 210 | 4.255 | 75 | -30.590 | 75 |
| 111 | -3.634 | 45 | -12.627 | 210 | 2.415 | 75 | -31.027 | 75 |
| 112 | -3.519 | 30 | -12.512 | 210 | 2.323 | 45 | -26.542 | 120 |
| 113 | -3.289 | 45 | -13.455 | 195 | 2.024 | 330 | -25.645 | 195 |
| 114 | -3.358 | 45 | -15.410 | 120 | 2.070 | 195 | -31.947 | 120 |
| 115 | 7.452 | 225 | -19.021 | 285 | 18.331 | 225 | -41.883 | 285 |
| 116 | 6.992 | 225 | -11.523 | 300 | 17.503 | 225 | -33.166 | 75 |
| 117 | 6.486 | 210 | -10.028 | 300 | 16.859 | 210 | -21.413 | 300 |
| 118 | 6.923 | 195 | -10.350 | 120 | 19.619 | 210 | -23.506 | 120 |
| 119 | 7.107 | 195 | -14.904 | 120 | 16.951 | 210 | -28.244 | 120 |
| 120 | 7.268 | 195 | -18.492 | 135 | 18.009 | 180 | -38.870 | 120 |
| 121 | 9.200 | 225 | -15.893 | 285 | 20.148 | 225 | -29.808 | 285 |
| 122 | 10.212 | 225 | -14.835 | 285 | 21.551 | 225 | -29.647 | 285 |
| 123 | 10.051 | 210 | -11.454 | 300 | 23.069 | 210 | -27.945 | 285 |
| 124 | 10.051 | 210 | -13.110 | 120 | 22.379 | 210 | -23.782 | 135 |
| 125 | 9.545 | 195 | -13.823 | 120 | 20.240 | 210 | -26.726 | 120 |
| 126 | 8.924 | 195 | -12.512 | 135 | 18.975 | 180 | -23.207 | 120 |
| 127 | 8.809 | 225 | -14.582 | 285 | 19.182 | 225 | -33.649 | 285 |
| 128 | 22.563 | 270 | -13.915 | 285 | 23.851 | 270 | -30.038 | 285 |
| 129 | 9.338 | 210 | -10.327 | 120 | 20.861 | 210 | -23.414 | 285 |
| 130 | 9.729 | 210 | -11.960 | 120 | 21.459 | 210 | -25.783 | 120 |
| 131 | 9.039 | 195 | -12.466 | 135 | 20.401 | 195 | -30.728 | 120 |
| 132 | 8.280 | 195 | -13.616 | 135 | 21.114 | 195 | -26.151 | 135 |
| 133 | 7.889 | 225 | -13.225 | 285 | 19.182 | 225 | -25.714 | 285 |
| 134 | 8.510 | 225 | -12.742 | 285 | 18.377 | 210 | -26.312 | 285 |
| 135 | 7.889 | 210 | -10.488 | 120 | 17.871 | 210 | -26.312 | 300 |
| 136 | 8.050 | 210 | -12.190 | 120 | 16.698 | 210 | -26.174 | 120 |
| 137 | 8.280 | 195 | -12.029 | 135 | 17.641 | 195 | -29.049 | 120 |
| 138 | 7.567 | 195 | -13.432 | 135 | 19.527 | 180 | -28.290 | 135 |
| 139 | 7.521 | 225 | -12.167 | 285 | 18.883 | 225 | -29.072 | 285 |
| 140 | 8.487 | 225 | -12.098 | 285 | 18.446 | 225 | -26.128 | 285 |
| 141 | 8.579 | 210 | -10.051 | 300 | 18.239 | 225 | -27.117 | 120 |
| 142 | 8.694 | 210 | -11.063 | 120 | 19.251 | 210 | -27.945 | 120 |
| 143 | 8.027 | 195 | -11.937 | 120 | 18.538 | 195 | -29.877 | 120 |
| 144 | 7.245 | 180 | -11.868 | 120 | 18.860 | 180 | -28.129 | 120 |
| 145 | -3.266 | 45 | -16.123 | 240 | 4.278 | 180 | -36.202 | 240 |
| 146 | -3.427 | 30 | -14.651 | 180 | 3.841 | 180 | -29.693 | 180 |
| 147 | -3.358 | 30 | -12.857 | 195 | 2.852 | 60 | -25.553 | 255 |
| 148 | -3.358 | 30 | -11.638 | 165 | 3.059 | 150 | -25.737 | 315 |
| 149 | -3.519 | 30 | -11.592 | 135 | 1.978 | 150 | -29.348 | 135 |
| 150 | -3.795 | 30 | -13.018 | 180 | 2.093 | 150 | -26.657 | 135 |
| 151 | 8.119 | 180 | -17.250 | 240 | 20.585 | 180 | -32.269 | 240 |
| 152 | 8.786 | 165 | -11.063 | 240 | 19.780 | 165 | -26.427 | 240 |
| 153 | 8.763 | 165 | -9.108 | 255 | 19.435 | 165 | -20.516 | 75 |

Table 7 (continued) WIND ENGINEERING STUDY OF FLUOR HEADQUARTERS BUILDING
IRVINE, CALIFORNIA

LARGEST AND SMALLEST PRESSURE LOADS FOR EACH TAP

| TAP NUMBER | MAXIMUM MEAN PRESSURE (PSF) | WIND DIRECTION | MINIMUM MEAN PRESSURE (PSF) | WIND DIRECTION | MAXIMUM PEAK PRESSURE (PSF) | WIND DIRECTION | MINIMUM PEAK PRESSURE (PSF) | WIND DIRECTION |
|---------------|--------------------------------------|-------------------|--------------------------------------|-------------------|--------------------------------------|-------------------|--------------------------------------|-------------------|
| 154 | 8.855 | 165 | -7.866 | 255 | 19.780 | 150 | -23.253 | 315 |
| 155 | 8.395 | 150 | -7.912 | 75 | 18.906 | 165 | -22.287 | 75 |
| 156 | 8.188 | 150 | -16.974 | 90 | 19.113 | 150 | -46.828 | 90 |
| 157 | 9.798 | 180 | -13.892 | 240 | 23.897 | 180 | -25.438 | 240 |
| 158 | 9.959 | 180 | -12.880 | 240 | 23.299 | 180 | -24.748 | 240 |
| 159 | 9.775 | 165 | -8.349 | 255 | 21.160 | 180 | -29.233 | 75 |
| 160 | 9.798 | 150 | -10.396 | 90 | 22.839 | 135 | -32.499 | 90 |
| 161 | 10.212 | 150 | -14.973 | 90 | 26.197 | 135 | -38.341 | 90 |
| 162 | 9.683 | 135 | -15.272 | 90 | 21.160 | 135 | -36.110 | 90 |
| 163 | 8.648 | 180 | -12.972 | 240 | 18.998 | 180 | -27.048 | 240 |
| 164 | 8.924 | 180 | -12.213 | 240 | 19.205 | 165 | -27.186 | 240 |
| 165 | 9.453 | 165 | -8.326 | 240 | 19.182 | 150 | -26.657 | 90 |
| 166 | 9.361 | 165 | -11.086 | 90 | 19.090 | 150 | -26.657 | 90 |
| 167 | 9.200 | 150 | -13.018 | 90 | 20.608 | 150 | -28.704 | 90 |
| 168 | 8.395 | 135 | -12.742 | 90 | 19.297 | 135 | -29.946 | 90 |
| 169 | 7.682 | 180 | -11.454 | 240 | 16.928 | 180 | -26.887 | 240 |
| 170 | 8.004 | 180 | -11.293 | 240 | 17.089 | 180 | -25.875 | 240 |
| 171 | 7.774 | 165 | -8.556 | 240 | 17.687 | 165 | -26.496 | 240 |
| 172 | 8.234 | 150 | -10.649 | 90 | 18.400 | 150 | -31.188 | 90 |
| 173 | 8.234 | 150 | -10.718 | 90 | 18.883 | 150 | -27.623 | 90 |
| 174 | 7.153 | 135 | -10.511 | 90 | 19.228 | 135 | -31.625 | 255 |
| 175 | 7.935 | 180 | -10.695 | 240 | 18.124 | 180 | -29.693 | 240 |
| 176 | 8.464 | 180 | -10.488 | 240 | 20.562 | 180 | -27.922 | 240 |
| 177 | 8.579 | 165 | -7.475 | 255 | 19.527 | 180 | -25.553 | 90 |
| 178 | 8.579 | 150 | -8.924 | 90 | 18.952 | 135 | -30.245 | 90 |
| 179 | 8.303 | 150 | -10.189 | 90 | 18.607 | 150 | -33.902 | 90 |
| 180 | 6.463 | 135 | -9.775 | 90 | 16.859 | 135 | -29.716 | 75 |
| 181 | 9.361 | 120 | -10.143 | 180 | 21.942 | 120 | -20.585 | 180 |
| 182 | 10.051 | 120 | -10.560 | 180 | 20.654 | 75 | -22.425 | 180 |
| 183 | 8.786 | 120 | -9.706 | 180 | 18.630 | 120 | -18.147 | 180 |
| 184 | 9.729 | 105 | -10.074 | 165 | 21.482 | 90 | -20.355 | 180 |
| 185 | 7.360 | 120 | -9.637 | 180 | 16.675 | 120 | -18.722 | 180 |
| 186 | 9.062 | 105 | -10.166 | 180 | 18.561 | 45 | -20.470 | 180 |
| 187 | 6.394 | 120 | -10.327 | 180 | 15.778 | 135 | -23.598 | 165 |
| 188 | 9.752 | 120 | -10.511 | 180 | 21.252 | 75 | -23.414 | 180 |
| 189 | 10.925 | 120 | -10.281 | 180 | 21.827 | 120 | -23.414 | 180 |
| 190 | 10.879 | 120 | -10.925 | 180 | 21.436 | 120 | -25.875 | 180 |
| 191 | 9.039 | 105 | -10.557 | 180 | 20.493 | 105 | -28.060 | 180 |
| 192 | 7.774 | 90 | -10.258 | 180 | 21.505 | 105 | -33.212 | 180 |
| 193 | 9.729 | 105 | -9.959 | 180 | 21.091 | 90 | -20.907 | 165 |
| 194 | 9.706 | 105 | -10.603 | 180 | 20.332 | 90 | -22.494 | 165 |
| 195 | 9.522 | 105 | -10.373 | 180 | 17.986 | 120 | -25.047 | 180 |
| 196 | 8.372 | 105 | -10.764 | 180 | 18.998 | 105 | -31.625 | 180 |
| 197 | 9.062 | 105 | -9.568 | 180 | 18.055 | 105 | -19.803 | 180 |
| 198 | 9.292 | 105 | -10.603 | 165 | 18.354 | 105 | -24.771 | 165 |
| 199 | 8.579 | 105 | -11.293 | 180 | 19.090 | 75 | -24.817 | 180 |
| 200 | 6.992 | 105 | -11.339 | 180 | 18.423 | 75 | -34.845 | 180 |
| 201 | 9.752 | 120 | -10.557 | 180 | 22.609 | 105 | -23.207 | 165 |
| 202 | 7.406 | 105 | -9.982 | 180 | 20.171 | 105 | -26.197 | 165 |
| 203 | 7.199 | 105 | -10.741 | 180 | 17.641 | 120 | -24.679 | 180 |
| 204 | 7.797 | 90 | -9.223 | 180 | 18.722 | 90 | -32.200 | 180 |

Table 7 (continued) WIND ENGINEERING STUDY OF FLUOR HEADQUARTERS BUILDING
IRVINE, CALIFORNIA

LARGEST AND SMALLEST PRESSURE LOADS FOR EACH TAP

| TAP NUMBER | MAXIMUM MEAN PRESSURE (PSF) | WIND DIRECTION | MINIMUM MEAN PRESSURE (PSF) | WIND DIRECTION | MAXIMUM PEAK PRESSURE (PSF) | WIND DIRECTION | MINIMUM PEAK PRESSURE (PSF) | WIND DIRECTION |
|---------------|--------------------------------------|-------------------|--------------------------------------|-------------------|--------------------------------------|-------------------|--------------------------------------|-------------------|
| 205 | 7.889 | 90 | -14.122 | 150 | 19.159 | 90 | -35.972 | 165 |
| 206 | 7.981 | 90 | -7.406 | 180 | 18.423 | 75 | -20.286 | 180 |
| 207 | 7.751 | 75 | -7.199 | 195 | 16.836 | 60 | -23.897 | 180 |
| 208 | 6.049 | 75 | -14.099 | 0 | 17.434 | 75 | -31.303 | 0 |
| 209 | 7.751 | 90 | -12.328 | 150 | 16.905 | 75 | -27.025 | 150 |
| 210 | 9.039 | 75 | -8.004 | 180 | 19.366 | 75 | -20.677 | 180 |
| 211 | 8.901 | 75 | -7.406 | 195 | 20.953 | 60 | -17.917 | 180 |
| 212 | 7.360 | 75 | -12.811 | 0 | 20.401 | 45 | -34.615 | 0 |
| 213 | 7.153 | 90 | -9.683 | 180 | 16.192 | 60 | -21.344 | 150 |
| 214 | 7.429 | 90 | -8.211 | 180 | 19.067 | 75 | -21.252 | 180 |
| 215 | 7.544 | 75 | -7.199 | 195 | 17.894 | 60 | -20.401 | 180 |
| 216 | 6.923 | 75 | -11.868 | 0 | 16.813 | 75 | -31.234 | 0 |
| 217 | 7.728 | 75 | -8.303 | 180 | 19.297 | 75 | -22.609 | 180 |
| 218 | 8.510 | 75 | -7.061 | 180 | 18.998 | 75 | -21.712 | 180 |
| 219 | 7.866 | 75 | -6.693 | 195 | 18.699 | 75 | -20.746 | 180 |
| 220 | 7.475 | 75 | -6.601 | 195 | 17.710 | 75 | -21.206 | 180 |
| 221 | 4.991 | 75 | -6.785 | 345 | 16.261 | 75 | -19.711 | 180 |
| 222 | 6.808 | 15 | -7.038 | 345 | 17.434 | 15 | -19.803 | 345 |
| 223 | 7.728 | 30 | -6.969 | 345 | 23.598 | 45 | -15.180 | 345 |
| 224 | 8.096 | 75 | -6.716 | 345 | 24.955 | 60 | -14.720 | 345 |
| 225 | 5.888 | 60 | -7.107 | 345 | 18.469 | 60 | -19.090 | 345 |
| 226 | 7.521 | 45 | -7.613 | 345 | 19.182 | 60 | -18.998 | 345 |
| 227 | 8.073 | 45 | -7.751 | 345 | 23.644 | 60 | -15.870 | 345 |
| 228 | 8.786 | 75 | -7.958 | 345 | 26.634 | 60 | -15.709 | 345 |
| 229 | 6.348 | 75 | -7.337 | 150 | 15.962 | 75 | -16.606 | 180 |
| 230 | 7.222 | 75 | -7.521 | 135 | 18.400 | 60 | -17.733 | 150 |
| 231 | 7.774 | 45 | -7.521 | 345 | 19.274 | 45 | -15.525 | 345 |
| 232 | 7.912 | 75 | -7.314 | 345 | 19.550 | 45 | -17.342 | 345 |
| 233 | 8.050 | 75 | -5.727 | 195 | 18.400 | 60 | -14.053 | 180 |
| 234 | 8.855 | 75 | -6.049 | 195 | 19.803 | 60 | -11.937 | 180 |
| 235 | 8.924 | 45 | -4.922 | 195 | 27.899 | 30 | -13.110 | 345 |
| 236 | 8.832 | 45 | -4.853 | 195 | 25.277 | 45 | -8.970 | 180 |
| 237 | 7.728 | 75 | -6.647 | 345 | 19.596 | 30 | -23.575 | 15 |
| 238 | 8.211 | 45 | -6.555 | 345 | 22.333 | 45 | -18.262 | 30 |
| 239 | 8.901 | 75 | -7.797 | 345 | 22.333 | 90 | -15.433 | 345 |
| 240 | 6.141 | 45 | -7.728 | 345 | 20.516 | 60 | -16.353 | 195 |
| 241 | 7.797 | 75 | -8.786 | 345 | 18.308 | 105 | -17.641 | 345 |
| 242 | 3.841 | 45 | -9.269 | 345 | 15.410 | 45 | -19.780 | 345 |
| 243 | 7.521 | 45 | -5.037 | 195 | 23.529 | 60 | -9.982 | 345 |
| 244 | 4.899 | 15 | -10.120 | 345 | 13.662 | 45 | -25.898 | 345 |
| 245 | -3.381 | 30 | -12.121 | 180 | 2.967 | 135 | -24.357 | 180 |
| 246 | -2.967 | 30 | -11.477 | 120 | 2.783 | 90 | -27.508 | 150 |
| 247 | -2.852 | 45 | -10.603 | 120 | 2.898 | 150 | -20.815 | 330 |
| 248 | -2.599 | 45 | -9.706 | 105 | 4.071 | 105 | -25.852 | 255 |
| 249 | -2.829 | 60 | -13.087 | 105 | 4.370 | 60 | -29.739 | 105 |
| 250 | -4.439 | 60 | -12.351 | 180 | 3.588 | 75 | -26.772 | 105 |
| 251 | 8.648 | 135 | -12.029 | 180 | 18.906 | 135 | -28.704 | 180 |
| 252 | 8.579 | 135 | -8.602 | 195 | 19.320 | 120 | -18.814 | 255 |
| 253 | 8.234 | 135 | -6.854 | 195 | 19.987 | 135 | -23.253 | 330 |
| 254 | 7.912 | 135 | -6.417 | 0 | 18.975 | 135 | -26.703 | 330 |
| 255 | 8.073 | 105 | -10.189 | 15 | 19.849 | 120 | -21.896 | 255 |

Table 7 (continued) WIND ENGINEERING STUDY OF FLUOR HEADQUARTERS BUILDING
IRVINE, CALIFORNIA

LARGEST AND SMALLEST PRESSURE LOADS FOR EACH TAP

| TAP NUMHFR | MAXIMUM MEAN PRESSURE (PSF) | WIND DIRECTION | MINIMUM MEAN PRESSURE (PSF) | WIND DIRECTION | MAXIMUM PEAK PRESSURE (PSF) | WIND DIRECTION | MINIMUM PEAK PRESSURE (PSF) | WIND DIRECTION |
|---------------|--------------------------------------|-------------------|--------------------------------------|-------------------|--------------------------------------|-------------------|--------------------------------------|-------------------|
| 256 | 8.740 | 105 | -10.626 | 15 | 19.757 | 90 | -22.103 | 15 |
| 257 | 9.476 | 135 | -12.351 | 180 | 20.148 | 135 | -37.306 | 90 |
| 258 | 9.384 | 120 | -7.843 | 195 | 19.596 | 135 | -32.246 | 90 |
| 259 | 9.775 | 120 | -7.981 | 195 | 18.561 | 135 | -18.469 | 195 |
| 260 | 9.798 | 120 | -10.143 | 15 | 19.481 | 120 | -24.702 | 15 |
| 261 | 9.959 | 105 | -12.581 | 15 | 18.400 | 120 | -30.337 | 15 |
| 262 | 9.936 | 105 | -11.362 | 30 | 19.412 | 105 | -25.760 | 30 |
| 263 | -4.094 | 60 | -14.237 | 165 | 8.050 | 90 | -30.360 | 105 |
| 264 | -2.507 | 45 | -14.352 | 105 | 9.591 | 90 | -36.570 | 105 |
| 265 | -2.714 | 45 | -10.580 | 120 | 8.487 | 45 | -23.345 | 105 |
| 266 | -3.266 | 60 | -8.993 | 345 | 9.269 | 60 | -24.656 | 315 |
| 267 | -4.646 | 285 | -11.592 | 345 | 8.464 | 45 | -22.632 | 330 |
| 268 | -3.082 | 45 | -15.502 | 345 | 9.269 | 45 | -26.358 | 345 |
| 269 | 8.188 | 90 | -14.835 | 165 | 19.596 | 90 | -35.397 | 165 |
| 270 | 8.832 | 75 | -13.455 | 180 | 21.919 | 75 | -25.323 | 180 |
| 271 | 9.085 | 75 | -8.947 | 180 | 19.458 | 75 | -24.104 | 315 |
| 272 | 9.039 | 75 | -7.774 | 195 | 21.643 | 60 | -20.493 | 210 |
| 273 | 7.337 | 75 | -6.233 | 345 | 15.295 | 75 | -20.585 | 195 |
| 274 | 8.441 | 60 | -14.950 | 345 | 20.838 | 75 | -27.669 | 330 |
| 276 | 8.832 | 75 | -13.225 | 180 | 18.699 | 90 | -27.531 | 180 |
| 277 | 8.970 | 75 | -10.396 | 180 | 18.814 | 60 | -30.521 | 180 |
| 278 | 8.809 | 75 | -8.441 | 345 | 19.481 | 75 | -30.291 | 180 |
| 279 | 8.763 | 75 | -11.592 | 345 | 18.262 | 75 | -26.588 | 345 |
| 280 | 7.774 | 75 | -16.169 | 345 | 19.573 | 45 | -34.868 | 345 |
| 281 | -2.185 | 45 | -11.730 | 135 | 13.156 | 45 | -24.380 | 135 |
| 282 | -2.645 | 45 | -11.063 | 165 | 9.269 | 45 | -29.325 | 165 |
| 283 | -2.461 | 45 | -8.556 | 330 | 8.832 | 30 | -31.533 | 180 |
| 284 | -3.128 | 45 | -10.166 | 330 | 7.820 | 45 | -26.749 | 180 |
| 285 | -2.737 | 60 | -9.430 | 345 | 8.510 | 30 | -20.148 | 15 |
| 286 | -3.864 | 45 | -12.282 | 330 | 5.750 | 30 | -23.276 | 315 |
| 287 | 7.866 | 45 | -11.523 | 135 | 20.562 | 60 | -30.498 | 135 |
| 288 | 8.602 | 45 | -10.994 | 135 | 21.988 | 45 | -24.679 | 180 |
| 289 | 8.809 | 45 | -6.877 | 195 | 21.712 | 45 | -19.504 | 195 |
| 290 | 8.418 | 45 | -6.348 | 180 | 21.275 | 45 | -25.576 | 180 |
| 291 | 8.855 | 15 | -9.016 | 300 | 19.803 | 30 | -28.497 | 180 |
| 292 | 9.361 | 15 | -11.937 | 315 | 20.056 | 0 | -23.276 | 330 |
| 293 | 7.337 | 45 | -14.053 | 120 | 18.124 | 45 | -28.612 | 120 |
| 294 | 7.199 | 45 | -16.744 | 135 | 17.710 | 45 | -37.053 | 120 |
| 295 | 7.659 | 45 | -13.248 | 120 | 18.952 | 45 | -34.155 | 120 |
| 296 | 7.774 | 15 | -8.234 | 120 | 19.228 | 15 | -20.723 | 105 |
| 298 | 8.763 | 15 | -8.257 | 330 | 19.757 | 15 | -41.216 | 60 |
| 299 | -2.806 | 120 | -15.663 | 330 | 3.955 | 285 | -27.485 | 330 |
| 300 | -1.357 | 60 | -15.847 | 330 | 3.910 | 60 | -28.635 | 255 |
| 301 | -5.529 | 120 | -14.628 | 285 | 4.163 | 120 | -26.312 | 285 |
| 302 | -7.113 | 120 | -16.054 | 225 | 4.301 | 120 | -28.543 | 225 |
| 303 | -3.345 | 105 | -13.455 | 225 | 6.601 | 75 | -25.852 | 225 |
| 304 | -4.715 | 45 | -13.593 | 225 | 1.012 | 60 | -37.812 | 165 |
| 305 | -4.460 | 75 | -13.915 | 225 | 7.544 | 60 | -30.061 | 255 |
| 306 | -1.265 | 30 | -15.410 | 120 | 7.912 | 225 | -28.865 | 135 |
| 307 | -2.530 | 0 | -14.582 | 105 | 5.405 | 75 | -26.128 | 105 |
| 308 | -3.243 | 255 | -12.719 | 90 | 8.717 | 45 | -27.945 | 105 |

Table 7 (continued) WIND ENGINEERING STUDY OF FLUOR HEADQUARTERS BUILDING
IRVINE, CALIFORNIA

LARGEST AND SMALLEST PRESSURE LOADS FOR EACH TAP

| TAP NUMBER | MAXIMUM MEAN PRESSURE (PSF) | WIND DIRECTION | MINIMUM MEAN PRESSURE (PSF) | WIND DIRECTION | MAXIMUM PEAK PRESSURE (PSF) | WIND DIRECTION | MINIMUM PEAK PRESSURE (PSF) | WIND DIRECTION |
|---------------|--------------------------------------|-------------------|--------------------------------------|-------------------|--------------------------------------|-------------------|--------------------------------------|-------------------|
| 309 | -.051 | 255 | -.419 | 0 | .269 | 60 | -.889 | 315 |
| 310 | .180 | 15 | -.382 | 195 | .679 | 315 | -1.027 | 315 |
| 311 | .154 | 15 | -.345 | 195 | .474 | 285 | -.815 | 315 |
| 312 | .093 | 255 | -.538 | 300 | .579 | 315 | -1.237 | 300 |
| 313 | .019 | 255 | -.566 | 300 | .495 | 255 | -.977 | 300 |
| 314 | .109 | 210 | -.531 | 255 | .616 | 225 | -1.136 | 255 |
| 315 | -.022 | 210 | -.603 | 255 | .540 | 225 | -.995 | 255 |
| 316 | .125 | 165 | -.479 | 210 | .720 | 210 | -1.130 | 210 |
| 317 | .028 | 165 | -.578 | 210 | .607 | 165 | -1.050 | 195 |
| 318 | .090 | 210 | -.426 | 165 | .557 | 195 | -1.102 | 165 |
| 319 | .005 | 210 | -.568 | 165 | .480 | 210 | -1.060 | 165 |
| 320 | .149 | 75 | -.351 | 120 | .657 | 120 | -1.146 | 120 |
| 321 | .091 | 75 | -.537 | 120 | .608 | 75 | -.950 | 120 |
| 322 | .209 | 0 | -.331 | 195 | .903 | 60 | -.978 | 90 |
| 323 | .203 | 45 | -.304 | 210 | .616 | 45 | -.889 | 90 |
| 324 | .154 | 60 | -.372 | 165 | .977 | 45 | -.944 | 165 |
| 325 | .139 | 60 | -.335 | 315 | .637 | 30 | -.725 | 315 |
| 326 | .005 | 75 | -.392 | 315 | .340 | 75 | -.688 | 330 |
| 327 | -.098 | 60 | -.226 | 195 | .049 | 75 | -.401 | 195 |
| 328 | -.137 | 255 | -.351 | 105 | .132 | 315 | -.624 | 0 |
| 329 | .293 | 75 | -.281 | 195 | .822 | 75 | -.676 | 180 |
| 330 | .315 | 75 | -.279 | 195 | .827 | 75 | -.713 | 180 |
| 331 | .160 | 75 | -.303 | 315 | .503 | 45 | -.754 | 180 |
| 332 | .179 | 75 | -.260 | 195 | .563 | 75 | -.608 | 195 |
| 333 | .131 | 45 | -.303 | 345 | .406 | 45 | -.918 | 180 |
| 334 | .131 | 45 | -.232 | 330 | .597 | 75 | -.527 | 195 |
| 335 | .088 | 45 | -.296 | 345 | .311 | 45 | -.763 | 180 |
| 336 | .157 | 105 | -.245 | 345 | .529 | 180 | -.518 | 255 |
| 337 | .256 | 75 | -.412 | 345 | .784 | 75 | -1.083 | 330 |
| 338 | .238 | 75 | -.556 | 345 | .484 | 60 | -.979 | 345 |
| 339 | .239 | 75 | -.280 | 195 | .620 | 75 | -.979 | 180 |
| 340 | .215 | 75 | -.296 | 195 | .616 | 75 | -.807 | 0 |
| 341 | .354 | 105 | -.421 | 180 | .781 | 105 | -1.253 | 180 |
| 342 | .245 | 75 | -.312 | 345 | .790 | 45 | -.829 | 345 |

APPENDIX A

PRESSURE DATA

Notes: Pressure coefficients are defined in Section 4.3
Pressure tap designation is explained in Figure 3.

WIND ENGINEERING STUDY OF FLUOR HEADQUARTERS BUILDING
IRVINE, CALIFORNIA

WIND DIRECTION= 0

| PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT | PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT |
|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|
| 1 | -.359 | .131 | .165 | -.829 | 58 | -.040 | .145 | .355 | -.801 |
| 2 | -.345 | .127 | .200 | -.822 | 59 | -.227 | .161 | .288 | -.919 |
| 3 | -.262 | .140 | .181 | -.724 | 60 | -.030 | .134 | .278 | -.710 |
| 4 | -.380 | .144 | .230 | -.865 | 61 | -.045 | .036 | .094 | -.172 |
| 5 | .384 | .156 | .872 | -.064 | 62 | -.127 | .032 | -.028 | -.251 |
| 6 | .396 | .147 | .895 | .033 | 63 | -.046 | .035 | .100 | -.174 |
| 7 | -.363 | .122 | .197 | -.811 | 64 | -.126 | .037 | -.025 | -.285 |
| 8 | -.341 | .115 | .175 | -.695 | 65 | .034 | .055 | .248 | -.333 |
| 9 | .290 | .122 | .723 | -.042 | 66 | .003 | .042 | .206 | -.151 |
| 10 | .098 | .111 | .465 | -.223 | 67 | -.039 | .005 | -.022 | -.077 |
| 11 | .369 | .135 | .832 | .019 | 68 | .040 | .036 | .219 | -.055 |
| 12 | .339 | .130 | .749 | -.007 | 69 | -.119 | .068 | .080 | -.323 |
| 13 | .415 | .130 | .952 | .113 | 70 | .035 | .117 | .362 | -.448 |
| 14 | .222 | .123 | .682 | -.129 | 71 | -.003 | .005 | .013 | -.019 |
| 15 | .335 | .117 | .840 | .032 | 72 | -.151 | .128 | .278 | -.556 |
| 16 | .268 | .139 | .697 | -.114 | 73 | -.212 | .050 | -.071 | -.484 |
| 17 | .452 | .139 | 1.013 | .116 | 74 | -.228 | .064 | -.024 | -.546 |
| 18 | .397 | .116 | .904 | .099 | 75 | -.228 | .070 | .035 | -.750 |
| 19 | .448 | .134 | .907 | .138 | 76 | -.226 | .072 | .092 | -.581 |
| 20 | .079 | .116 | .584 | -.277 | 77 | -.218 | .068 | .065 | -.545 |
| 21 | .308 | .102 | .723 | .065 | 78 | -.208 | .070 | .045 | -.588 |
| 22 | .080 | .114 | .468 | -.309 | 79 | -.205 | .044 | -.054 | -.421 |
| 23 | .406 | .114 | .843 | .132 | 80 | -.188 | .045 | -.033 | -.448 |
| 24 | .384 | .110 | .822 | .112 | 81 | -.203 | .053 | -.023 | -.516 |
| 25 | .326 | .097 | .740 | .119 | 82 | -.209 | .060 | .009 | -.507 |
| 26 | .303 | .089 | .703 | .085 | 83 | -.200 | .055 | -.033 | -.531 |
| 27 | .147 | .110 | .511 | -.206 | 84 | -.208 | .066 | -.008 | -.587 |
| 28 | .297 | .103 | .668 | -.046 | 85 | -.180 | .036 | -.074 | -.367 |
| 29 | .177 | .084 | .532 | -.059 | 86 | -.182 | .038 | -.072 | -.409 |
| 30 | .318 | .107 | .816 | .101 | 87 | -.113 | .033 | -.021 | -.284 |
| 31 | .229 | .086 | .582 | .019 | 88 | -.192 | .043 | -.072 | -.486 |
| 32 | .052 | .100 | .432 | -.309 | 89 | -.203 | .043 | -.057 | -.428 |
| 33 | .268 | .086 | .726 | .055 | 90 | -.020 | .036 | .125 | -.208 |
| 34 | .186 | .031 | .280 | .012 | 91 | -.174 | .037 | -.072 | -.330 |
| 35 | .363 | .101 | .823 | .142 | 92 | -.178 | .038 | -.080 | -.365 |
| 36 | .347 | .099 | .869 | .132 | 93 | -.186 | .042 | -.062 | -.471 |
| 37 | -.473 | .116 | -.080 | -.970 | 94 | -.194 | .046 | -.044 | -.460 |
| 38 | -.353 | .118 | -.008 | -.822 | 95 | -.213 | .050 | -.051 | -.475 |
| 39 | -.374 | .037 | -.262 | -.528 | 96 | -.220 | .063 | -.071 | -.772 |
| 40 | -.335 | .090 | .015 | -.794 | 97 | -.174 | .040 | -.039 | -.341 |
| 41 | -.279 | .082 | -.008 | -.549 | 98 | -.179 | .041 | -.062 | -.348 |
| 42 | -.246 | .060 | -.053 | -.453 | 99 | -.192 | .050 | -.065 | -.450 |
| 43 | -.361 | .183 | .201 | -1.047 | 100 | -.199 | .055 | -.039 | -.688 |
| 44 | -.042 | .088 | .237 | -.463 | 101 | -.218 | .057 | -.045 | -.756 |
| 45 | -.031 | .062 | .247 | -.403 | 102 | -.232 | .075 | -.042 | -.751 |
| 46 | -.037 | .055 | .201 | -.196 | 103 | -.182 | .047 | -.047 | -.397 |
| 47 | -.062 | .037 | .100 | -.158 | 104 | -.187 | .046 | -.063 | -.400 |
| 48 | -.150 | .038 | -.017 | -.267 | 105 | -.191 | .047 | -.063 | -.436 |
| 49 | -.304 | .173 | .258 | -.889 | 106 | -.159 | .049 | -.033 | -.514 |
| 50 | -.034 | .150 | .389 | -.721 | 107 | -.182 | .055 | -.033 | -.516 |
| 51 | .023 | .055 | .272 | -.244 | 108 | -.132 | .055 | .024 | -.442 |
| 52 | .005 | .047 | .246 | -.136 | 109 | -.202 | .066 | -.024 | -.472 |
| 53 | -.048 | .043 | .152 | -.243 | 110 | -.196 | .069 | -.005 | -.507 |
| 54 | -.138 | .035 | .015 | -.330 | 111 | -.205 | .078 | .012 | -.677 |
| 55 | .020 | .056 | .271 | -.345 | 112 | -.209 | .089 | .042 | -.910 |
| 56 | -.004 | .042 | .206 | -.129 | 113 | -.216 | .094 | .009 | -.861 |
| 57 | -.287 | .163 | .310 | -.840 | 114 | -.211 | .060 | -.011 | -.496 |

WIND ENGINEERING STUDY OF FLUOR HEADQUARTERS BUILDING
IRVINE, CALIFORNIA

WIND DIRECTION= 0

| PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT | PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT |
|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|
| 115 | -.192 | .056 | -.009 | -.549 | 172 | -.172 | .041 | -.043 | -.311 |
| 116 | -.196 | .057 | -.009 | -.474 | 173 | -.156 | .039 | -.029 | -.302 |
| 117 | -.199 | .065 | -.006 | -.552 | 174 | -.148 | .040 | -.023 | -.310 |
| 118 | -.212 | .096 | -.005 | -.958 | 175 | -.142 | .042 | -.015 | -.386 |
| 119 | -.200 | .077 | -.021 | -.729 | 176 | -.145 | .040 | -.018 | -.295 |
| 120 | -.196 | .053 | -.033 | -.439 | 177 | -.151 | .040 | -.031 | -.315 |
| 121 | -.204 | .049 | -.020 | -.431 | 178 | -.156 | .040 | -.023 | -.329 |
| 122 | -.195 | .043 | -.051 | -.400 | 179 | -.156 | .039 | -.032 | -.298 |
| 123 | -.198 | .043 | -.041 | -.424 | 180 | -.151 | .041 | -.007 | -.299 |
| 124 | -.195 | .042 | -.059 | -.413 | 181 | -.203 | .052 | .034 | -.427 |
| 125 | -.189 | .039 | -.062 | -.392 | 182 | -.208 | .046 | -.044 | -.399 |
| 126 | -.145 | .038 | -.027 | -.308 | 183 | -.174 | .059 | .109 | -.497 |
| 127 | -.207 | .050 | -.069 | -.517 | 184 | -.221 | .049 | -.084 | -.403 |
| 128 | -.195 | .041 | -.066 | -.404 | 185 | -.125 | .050 | .109 | -.302 |
| 129 | -.184 | .038 | -.072 | -.352 | 186 | -.203 | .049 | -.043 | -.392 |
| 130 | -.180 | .037 | -.050 | -.336 | 187 | -.011 | .058 | .266 | -.211 |
| 131 | -.185 | .035 | -.070 | -.318 | 188 | -.116 | .065 | .150 | -.330 |
| 132 | -.195 | .044 | -.026 | -.368 | 189 | -.185 | .041 | -.040 | -.335 |
| 133 | -.207 | .052 | -.065 | -.477 | 190 | -.187 | .041 | -.047 | -.339 |
| 134 | -.194 | .043 | -.062 | -.437 | 191 | -.196 | .043 | -.057 | -.361 |
| 135 | -.180 | .041 | -.060 | -.349 | 192 | -.198 | .041 | -.041 | -.374 |
| 136 | -.173 | .039 | -.038 | -.337 | 193 | -.205 | .042 | -.041 | -.351 |
| 137 | -.151 | .039 | .015 | -.293 | 194 | -.231 | .045 | -.065 | -.374 |
| 138 | -.160 | .048 | -.010 | -.408 | 195 | -.207 | .039 | -.075 | -.346 |
| 139 | -.194 | .053 | -.022 | -.503 | 196 | -.203 | .038 | -.082 | -.349 |
| 140 | -.183 | .044 | -.050 | -.431 | 197 | -.169 | .040 | -.021 | -.318 |
| 141 | -.164 | .040 | -.037 | -.384 | 198 | -.242 | .051 | -.098 | -.436 |
| 142 | -.157 | .038 | -.050 | -.370 | 199 | -.247 | .054 | -.110 | -.527 |
| 143 | -.150 | .039 | .001 | -.317 | 200 | -.231 | .046 | -.103 | -.458 |
| 144 | -.153 | .050 | .026 | -.425 | 201 | -.118 | .046 | .157 | -.280 |
| 145 | -.215 | .067 | -.050 | -.540 | 202 | -.260 | .060 | -.075 | -.570 |
| 146 | -.205 | .057 | -.023 | -.499 | 203 | -.252 | .057 | -.094 | -.547 |
| 147 | -.183 | .049 | -.056 | -.403 | 204 | -.218 | .046 | -.081 | -.415 |
| 148 | -.191 | .061 | -.041 | -.533 | 205 | -.190 | .045 | -.057 | -.390 |
| 149 | -.183 | .056 | -.018 | -.518 | 206 | -.202 | .054 | -.026 | -.421 |
| 150 | -.202 | .065 | -.016 | -.541 | 207 | -.263 | .071 | -.054 | -.533 |
| 151 | -.210 | .050 | -.043 | -.578 | 208 | -.613 | .203 | -.116 | -1.361 |
| 152 | -.199 | .041 | -.059 | -.447 | 209 | -.195 | .040 | -.065 | -.378 |
| 153 | -.178 | .035 | -.070 | -.308 | 210 | -.202 | .048 | -.056 | -.427 |
| 154 | -.179 | .038 | -.056 | -.311 | 211 | -.242 | .064 | -.039 | -.559 |
| 155 | -.176 | .045 | -.053 | -.431 | 212 | -.557 | .202 | -.076 | -1.505 |
| 156 | -.189 | .057 | -.028 | -.481 | 213 | -.188 | .038 | -.074 | -.362 |
| 157 | -.202 | .047 | -.075 | -.396 | 214 | -.175 | .042 | -.040 | -.415 |
| 158 | -.198 | .039 | -.092 | -.393 | 215 | -.206 | .057 | -.031 | -.472 |
| 159 | -.197 | .041 | -.085 | -.373 | 216 | -.516 | .192 | -.122 | -1.358 |
| 160 | -.191 | .038 | -.087 | -.329 | 217 | -.188 | .047 | -.033 | -.353 |
| 161 | -.173 | .037 | -.053 | -.352 | 218 | -.159 | .047 | .067 | -.311 |
| 162 | -.184 | .039 | -.050 | -.359 | 219 | -.145 | .046 | .022 | -.295 |
| 163 | -.194 | .053 | -.021 | -.459 | 220 | -.170 | .053 | .021 | -.417 |
| 164 | -.191 | .046 | .003 | -.365 | 221 | -.207 | .100 | .095 | -.577 |
| 165 | -.184 | .046 | -.063 | -.343 | 222 | -.030 | .182 | .555 | -.534 |
| 166 | -.187 | .043 | -.067 | -.326 | 223 | -.088 | .146 | .581 | -.590 |
| 167 | -.184 | .040 | -.062 | -.339 | 224 | -.082 | .121 | .354 | -.449 |
| 168 | -.185 | .045 | .001 | -.418 | 225 | -.201 | .096 | .104 | -.679 |
| 169 | -.166 | .050 | -.003 | -.402 | 226 | -.076 | .179 | .685 | -.743 |
| 170 | -.169 | .046 | -.028 | -.337 | 227 | -.108 | .140 | .522 | -.596 |
| 171 | -.167 | .044 | -.031 | -.345 | 228 | -.100 | .130 | .285 | -.507 |

WIND ENGINEERING STUDY OF FLUOR HEADQUARTERS BUILDING
IRVINE, CALIFORNIA

WIND DIRECTION= 0

| PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT | PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT |
|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|
| 229 | -.117 | .069 | .162 | -.458 | 286 | -.305 | .127 | .137 | -.752 |
| 230 | .044 | .118 | .626 | -.350 | 287 | -.241 | .082 | .093 | -.517 |
| 231 | -.036 | .141 | .477 | -.495 | 288 | .144 | .106 | .572 | -.133 |
| 232 | -.046 | .127 | .372 | -.595 | 289 | .230 | .120 | .686 | -.152 |
| 233 | -.104 | .047 | .119 | -.277 | 290 | .246 | .127 | .674 | -.077 |
| 234 | -.074 | .052 | .125 | -.264 | 291 | .265 | .132 | .765 | -.065 |
| 235 | .070 | .099 | .466 | -.470 | 292 | .257 | .178 | .872 | -.279 |
| 236 | .206 | .112 | .839 | -.135 | 293 | -.162 | .090 | .262 | -.437 |
| 237 | -.058 | .120 | .351 | -.458 | 294 | -.008 | .085 | .349 | -.257 |
| 238 | -.055 | .114 | .274 | -.543 | 295 | .070 | .094 | .433 | -.233 |
| 239 | -.124 | .121 | .316 | -.523 | 296 | .134 | .098 | .465 | -.188 |
| 240 | -.107 | .116 | .292 | -.532 | 298 | .167 | .169 | .693 | -.399 |
| 241 | -.142 | .132 | .230 | -.669 | 299 | -.554 | .117 | -.208 | -.927 |
| 242 | -.181 | .138 | .166 | -.765 | 300 | -.418 | .135 | .053 | -.918 |
| 243 | .124 | .088 | .569 | -.200 | 301 | -.142 | .055 | .030 | -.406 |
| 244 | -.186 | .164 | .323 | -.881 | 302 | -.172 | .061 | .016 | -.414 |
| 245 | -.205 | .068 | .027 | -.566 | 303 | -.131 | .065 | .099 | -.358 |
| 246 | -.230 | .079 | .001 | -.699 | 304 | -.225 | .084 | .027 | -.758 |
| 247 | -.257 | .082 | -.003 | -.652 | 305 | -.097 | .056 | .084 | -.324 |
| 248 | -.293 | .085 | -.010 | -.655 | 306 | -.122 | .041 | .010 | -.279 |
| 249 | -.393 | .131 | -.059 | -.952 | 307 | -.110 | .055 | .092 | -.328 |
| 250 | -.370 | .131 | -.100 | -.918 | 308 | -.326 | .091 | .001 | -.643 |
| 251 | -.192 | .054 | -.015 | -.446 | 309 | -.419 | .124 | .217 | -.823 |
| 252 | -.205 | .057 | -.006 | -.443 | 310 | -.079 | .129 | .361 | -.736 |
| 253 | -.215 | .058 | -.022 | -.454 | 311 | .080 | .069 | .217 | -.330 |
| 254 | -.279 | .064 | -.077 | -.609 | 312 | -.094 | .148 | .343 | -.787 |
| 255 | -.313 | .100 | -.106 | -.702 | 313 | -.118 | .036 | .007 | -.298 |
| 256 | -.305 | .117 | -.103 | -.832 | 314 | -.188 | .004 | -.171 | -.203 |
| 257 | -.196 | .042 | -.062 | -.372 | 315 | -.227 | .036 | -.126 | -.314 |
| 258 | -.215 | .046 | -.069 | -.421 | 316 | -.218 | .034 | -.125 | -.343 |
| 259 | -.254 | .054 | -.112 | -.536 | 317 | -.196 | .048 | .026 | -.452 |
| 260 | -.313 | .073 | -.098 | -.621 | 318 | -.112 | .004 | -.100 | -.142 |
| 261 | -.299 | .107 | -.090 | -.869 | 319 | -.224 | .045 | -.077 | -.380 |
| 262 | -.311 | .112 | -.103 | -.832 | 320 | -.109 | .020 | -.049 | -.197 |
| 263 | -.310 | .085 | -.106 | -.690 | 321 | -.127 | .039 | .006 | -.309 |
| 264 | -.242 | .065 | -.059 | -.567 | 322 | .209 | .155 | .662 | -.567 |
| 265 | -.246 | .066 | -.062 | -.717 | 323 | .058 | .190 | .553 | -.646 |
| 266 | -.280 | .072 | -.090 | -.677 | 324 | -.267 | .075 | .032 | -.624 |
| 267 | -.281 | .077 | -.089 | -.640 | 325 | -.244 | .070 | -.006 | -.549 |
| 268 | -.537 | .128 | -.197 | -1.009 | 326 | -.305 | .071 | -.040 | -.573 |
| 269 | -.290 | .085 | -.099 | -.594 | 327 | -.147 | .028 | -.033 | -.270 |
| 270 | -.183 | .043 | -.033 | -.374 | 328 | -.309 | .072 | -.019 | -.624 |
| 271 | -.156 | .034 | -.022 | -.290 | 329 | -.104 | .052 | .053 | -.378 |
| 272 | -.159 | .043 | .019 | -.344 | 330 | -.094 | .044 | .043 | -.262 |
| 273 | -.098 | .080 | .105 | -.437 | 331 | -.139 | .057 | .046 | -.378 |
| 274 | -.633 | .131 | -.217 | -1.104 | 332 | -.098 | .054 | .062 | -.293 |
| 276 | -.184 | .041 | -.024 | -.338 | 333 | -.165 | .059 | .046 | -.393 |
| 277 | -.158 | .044 | -.040 | -.347 | 334 | -.084 | .044 | .068 | -.272 |
| 278 | -.184 | .059 | -.019 | -.463 | 335 | -.190 | .040 | -.075 | -.362 |
| 279 | -.245 | .092 | -.018 | -.684 | 336 | -.166 | .037 | -.053 | -.299 |
| 280 | -.679 | .156 | -.188 | -1.287 | 337 | -.315 | .200 | .455 | -.866 |
| 281 | -.366 | .081 | -.083 | -.677 | 338 | -.464 | .132 | .154 | -.849 |
| 282 | -.166 | .088 | .179 | -.499 | 339 | -.201 | .048 | -.020 | -.387 |
| 283 | -.186 | .096 | .129 | -.547 | 340 | -.194 | .097 | .050 | -.807 |
| 284 | -.336 | .121 | .089 | -.872 | 341 | -.184 | .097 | .038 | -.772 |
| 285 | -.380 | .126 | .099 | -.808 | 342 | -.077 | .124 | .387 | -.697 |

WIND ENGINEERING STUDY OF FLUOR HEADQUARTERS BUILDING
IRVINE, CALIFORNIA

WIND DIRECTION= 15

| PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT | PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT |
|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|
| 1 | -.324 | .124 | .115 | -.742 | 58 | -.427 | .173 | .044 | -.962 |
| 2 | -.226 | .103 | .139 | -.584 | 59 | -.457 | .130 | .067 | -1.285 |
| 3 | -.223 | .132 | .167 | -.757 | 60 | -.364 | .167 | .074 | -1.014 |
| 4 | -.374 | .142 | .105 | -.828 | 61 | -.113 | .038 | .040 | -.315 |
| 5 | .371 | .150 | .847 | -.101 | 62 | -.150 | .032 | -.034 | -.312 |
| 6 | .328 | .131 | .743 | .035 | 63 | -.120 | .046 | .082 | -.360 |
| 7 | -.215 | .094 | .189 | -.628 | 64 | -.151 | .039 | -.033 | -.352 |
| 8 | -.307 | .086 | -.006 | -.696 | 65 | -.200 | .142 | .075 | -.879 |
| 9 | .129 | .093 | .492 | -.140 | 66 | -.128 | .074 | .027 | -.530 |
| 10 | -.151 | .093 | .197 | -.501 | 67 | -.117 | .103 | .115 | -.650 |
| 11 | .263 | .114 | .650 | -.013 | 68 | -.054 | .043 | .098 | -.281 |
| 12 | .215 | .105 | .593 | -.033 | 69 | -.710 | .006 | -.688 | -.730 |
| 13 | .259 | .101 | .604 | .001 | 70 | -.310 | .160 | .072 | -.945 |
| 14 | .377 | .128 | .871 | -.091 | 71 | -.279 | .090 | .173 | -.630 |
| 15 | .137 | .085 | .424 | -.067 | 72 | -.259 | .079 | .132 | -.684 |
| 16 | .398 | .131 | .838 | -.065 | 73 | -.199 | .050 | -.013 | -.448 |
| 17 | .336 | .116 | .729 | .057 | 74 | -.211 | .070 | .034 | -.537 |
| 18 | .369 | .124 | .861 | .096 | 75 | -.208 | .079 | .007 | -.663 |
| 19 | .402 | .129 | .908 | .075 | 76 | -.212 | .081 | .031 | -.717 |
| 20 | -.181 | .079 | .082 | -.454 | 77 | -.213 | .075 | .021 | -.546 |
| 21 | .124 | .084 | .513 | -.094 | 78 | -.195 | .063 | .012 | -.454 |
| 22 | -.187 | .087 | .201 | -.582 | 79 | -.183 | .036 | -.076 | -.378 |
| 23 | .325 | .100 | .786 | .067 | 80 | -.168 | .038 | -.047 | -.373 |
| 24 | .250 | .092 | .677 | .007 | 81 | -.177 | .045 | -.052 | -.381 |
| 25 | .245 | .088 | .583 | -.003 | 82 | -.188 | .053 | -.045 | -.413 |
| 26 | .187 | .071 | .469 | .014 | 83 | -.187 | .058 | .001 | -.570 |
| 27 | .283 | .110 | .691 | -.238 | 84 | -.186 | .056 | .007 | -.405 |
| 28 | .274 | .096 | .638 | .028 | 85 | -.171 | .032 | -.077 | -.349 |
| 29 | .242 | .094 | .557 | -.024 | 86 | -.173 | .034 | -.068 | -.327 |
| 30 | .302 | .115 | .813 | .037 | 87 | -.106 | .037 | .033 | -.291 |
| 31 | .081 | .070 | .407 | -.112 | 88 | -.184 | .038 | -.037 | -.368 |
| 32 | -.186 | .080 | .078 | -.518 | 89 | -.194 | .036 | -.076 | -.331 |
| 33 | .122 | .070 | .478 | -.031 | 90 | -.023 | .053 | .073 | -.298 |
| 34 | .090 | .041 | .203 | -.106 | 91 | -.175 | .043 | -.056 | -.466 |
| 35 | .305 | .099 | .736 | .043 | 92 | -.175 | .041 | -.024 | -.512 |
| 36 | .244 | .089 | .604 | .016 | 93 | -.174 | .040 | -.047 | -.571 |
| 37 | -.528 | .141 | -.208 | -1.101 | 94 | -.180 | .038 | -.064 | -.373 |
| 38 | -.272 | .085 | -.021 | -.659 | 95 | -.194 | .038 | -.092 | -.355 |
| 39 | -.289 | .082 | -.088 | -.721 | 96 | -.199 | .041 | -.082 | -.390 |
| 40 | -.266 | .082 | -.043 | -.611 | 97 | -.170 | .041 | -.050 | -.413 |
| 41 | -.232 | .080 | .006 | -.619 | 98 | -.172 | .040 | -.061 | -.421 |
| 42 | -.220 | .054 | -.064 | -.555 | 99 | -.172 | .040 | -.049 | -.359 |
| 43 | -.659 | .198 | -.169 | -1.450 | 100 | -.180 | .038 | -.068 | -.353 |
| 44 | -.279 | .140 | .043 | -.868 | 101 | -.194 | .042 | -.077 | -.408 |
| 45 | -.164 | .055 | .007 | -.439 | 102 | -.207 | .052 | -.065 | -.570 |
| 46 | -.138 | .037 | .016 | -.310 | 103 | -.166 | .040 | -.052 | -.424 |
| 47 | -.134 | .032 | -.019 | -.255 | 104 | -.169 | .040 | -.067 | -.419 |
| 48 | -.169 | .034 | -.062 | -.325 | 105 | -.166 | .040 | -.056 | -.373 |
| 49 | -.559 | .130 | -.055 | -1.158 | 106 | -.137 | .037 | -.018 | -.343 |
| 50 | -.474 | .189 | .045 | -1.156 | 107 | -.187 | .043 | -.064 | -.433 |
| 51 | -.223 | .139 | .013 | -.772 | 108 | -.130 | .042 | -.012 | -.401 |
| 52 | -.123 | .052 | .006 | -.484 | 109 | -.191 | .060 | -.016 | -.611 |
| 53 | -.121 | .033 | .016 | -.322 | 110 | -.197 | .067 | -.034 | -.503 |
| 54 | -.157 | .030 | -.050 | -.288 | 111 | -.183 | .061 | -.034 | -.632 |
| 55 | -.217 | .151 | .064 | -.886 | 112 | -.164 | .045 | -.031 | -.419 |
| 56 | -.125 | .077 | .060 | -.672 | 113 | -.169 | .042 | -.050 | -.380 |
| 57 | -.519 | .118 | -.197 | -1.180 | 114 | -.194 | .056 | -.053 | -.462 |

WIND ENGINEERING STUDY OF FLUOR HEADQUARTERS BUILDING
IRVINE, CALIFORNIA

WIND DIRECTION= 15

| PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT | PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT |
|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|
| 115 | -.162 | .047 | .024 | -.390 | 172 | -.127 | .030 | -.038 | -.238 |
| 116 | -.170 | .045 | .013 | -.393 | 173 | -.119 | .031 | -.020 | -.246 |
| 117 | -.161 | .040 | -.010 | -.468 | 174 | -.109 | .033 | -.009 | -.249 |
| 118 | -.153 | .032 | -.037 | -.297 | 175 | -.130 | .031 | -.016 | -.328 |
| 119 | -.160 | .031 | -.064 | -.390 | 176 | -.129 | .028 | -.031 | -.261 |
| 120 | -.171 | .040 | -.064 | -.441 | 177 | -.128 | .029 | -.038 | -.261 |
| 121 | -.185 | .035 | -.091 | -.338 | 178 | -.123 | .029 | -.031 | -.248 |
| 122 | -.178 | .030 | -.086 | -.281 | 179 | -.117 | .033 | -.022 | -.265 |
| 123 | -.175 | .026 | -.089 | -.285 | 180 | -.114 | .035 | .006 | -.270 |
| 124 | -.171 | .025 | -.077 | -.269 | 181 | -.149 | .049 | .086 | -.344 |
| 125 | -.163 | .026 | -.064 | -.272 | 182 | -.157 | .041 | .003 | -.354 |
| 126 | -.120 | .029 | -.012 | -.232 | 183 | -.076 | .085 | .398 | -.348 |
| 127 | -.183 | .034 | -.092 | -.353 | 184 | -.185 | .051 | .042 | -.404 |
| 128 | -.175 | .029 | -.086 | -.316 | 185 | -.001 | .071 | .278 | -.211 |
| 129 | -.162 | .027 | -.065 | -.263 | 186 | -.142 | .060 | .185 | -.351 |
| 130 | -.156 | .027 | -.047 | -.251 | 187 | .089 | .075 | .401 | -.095 |
| 131 | -.164 | .029 | -.045 | -.265 | 188 | -.066 | .060 | .261 | -.376 |
| 132 | -.171 | .036 | -.057 | -.359 | 189 | -.145 | .040 | .006 | -.306 |
| 133 | -.191 | .043 | -.069 | -.448 | 190 | -.137 | .039 | .004 | -.287 |
| 134 | -.175 | .038 | -.045 | -.341 | 191 | -.132 | .038 | -.004 | -.278 |
| 135 | -.167 | .033 | -.026 | -.318 | 192 | -.129 | .038 | .001 | -.260 |
| 136 | -.156 | .033 | -.041 | -.293 | 193 | -.145 | .045 | .067 | -.281 |
| 137 | -.134 | .032 | -.025 | -.242 | 194 | -.180 | .044 | -.025 | -.318 |
| 138 | -.138 | .036 | -.019 | -.334 | 195 | -.151 | .036 | -.019 | -.287 |
| 139 | -.182 | .042 | -.051 | -.370 | 196 | -.142 | .036 | -.032 | -.308 |
| 140 | -.166 | .036 | -.044 | -.312 | 197 | -.095 | .046 | .159 | -.233 |
| 141 | -.144 | .034 | -.038 | -.277 | 198 | -.204 | .053 | -.041 | -.424 |
| 142 | -.134 | .033 | -.020 | -.248 | 199 | -.198 | .058 | -.010 | -.522 |
| 143 | -.125 | .033 | .010 | -.238 | 200 | -.164 | .046 | -.017 | -.335 |
| 144 | -.124 | .037 | .016 | -.289 | 201 | -.028 | .050 | .175 | -.184 |
| 145 | -.178 | .043 | -.051 | -.391 | 202 | -.181 | .058 | .009 | -.419 |
| 146 | -.158 | .050 | -.004 | -.493 | 203 | -.182 | .062 | .013 | -.440 |
| 147 | -.151 | .056 | -.004 | -.531 | 204 | -.142 | .049 | .087 | -.334 |
| 148 | -.151 | .057 | .015 | -.567 | 205 | -.100 | .034 | .019 | -.220 |
| 149 | -.156 | .052 | -.034 | -.388 | 206 | -.052 | .048 | .162 | -.225 |
| 150 | -.181 | .060 | -.041 | -.462 | 207 | -.073 | .090 | .223 | -.529 |
| 151 | -.164 | .036 | -.048 | -.369 | 208 | -.443 | .209 | .165 | -1.310 |
| 152 | -.151 | .041 | -.039 | -.401 | 209 | -.107 | .038 | .031 | -.232 |
| 153 | -.138 | .038 | -.022 | -.309 | 210 | -.059 | .050 | .143 | -.291 |
| 154 | -.136 | .042 | -.004 | -.331 | 211 | -.075 | .084 | .209 | -.482 |
| 155 | -.148 | .046 | -.015 | -.354 | 212 | -.398 | .170 | .164 | -1.103 |
| 156 | -.167 | .051 | -.023 | -.430 | 213 | -.095 | .035 | .066 | -.244 |
| 157 | -.163 | .032 | -.076 | -.319 | 214 | -.045 | .044 | .172 | -.215 |
| 158 | -.152 | .031 | -.074 | -.312 | 215 | -.071 | .083 | .188 | -.516 |
| 159 | -.150 | .036 | -.041 | -.383 | 216 | -.293 | .143 | .056 | -.973 |
| 160 | -.143 | .035 | -.048 | -.341 | 217 | -.088 | .042 | .098 | -.248 |
| 161 | -.132 | .035 | -.026 | -.359 | 218 | -.023 | .049 | .216 | -.202 |
| 162 | -.139 | .036 | -.023 | -.270 | 219 | -.011 | .053 | .241 | -.178 |
| 163 | -.165 | .038 | -.042 | -.399 | 220 | -.062 | .073 | .196 | -.413 |
| 164 | -.158 | .032 | .006 | -.280 | 221 | -.002 | .079 | .327 | -.308 |
| 165 | -.148 | .032 | -.067 | -.273 | 222 | .296 | .111 | .758 | -.143 |
| 166 | -.141 | .031 | -.039 | -.268 | 223 | .318 | .157 | .941 | -.203 |
| 167 | -.131 | .031 | -.010 | -.274 | 224 | .293 | .142 | .866 | -.149 |
| 168 | -.132 | .037 | .006 | -.292 | 225 | -.027 | .083 | .386 | -.457 |
| 169 | -.137 | .035 | .007 | -.373 | 226 | .263 | .106 | .669 | -.111 |
| 170 | -.132 | .029 | -.026 | -.264 | 227 | .270 | .134 | .729 | -.161 |
| 171 | -.132 | .030 | -.038 | -.260 | 228 | .248 | .114 | .634 | -.115 |

WIND ENGINEERING STUDY OF FLUOR HEADQUARTERS BUILDING
IRVINE, CALIFORNIA

WIND DIRECTION= 15

| PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT | PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT |
|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|
| 229 | -.026 | .069 | .232 | -.308 | 286 | -.296 | .137 | .154 | -.748 |
| 230 | .174 | .081 | .516 | -.105 | 287 | .019 | .110 | .508 | -.292 |
| 231 | .260 | .119 | .703 | -.079 | 288 | .290 | .124 | .715 | -.036 |
| 232 | .249 | .110 | .651 | -.048 | 289 | .349 | .132 | .758 | .029 |
| 233 | .030 | .065 | .282 | -.180 | 290 | .365 | .138 | .784 | .014 |
| 234 | .054 | .060 | .266 | -.158 | 291 | .385 | .135 | .785 | .047 |
| 235 | .292 | .120 | .821 | .061 | 292 | .407 | .149 | .854 | -.098 |
| 236 | .296 | .114 | .777 | .063 | 293 | .116 | .102 | .549 | -.210 |
| 237 | .238 | .154 | .818 | -1.025 | 294 | .222 | .096 | .639 | -.020 |
| 238 | .134 | .180 | .717 | -.735 | 295 | .286 | .102 | .749 | .020 |
| 239 | .210 | .130 | .713 | -.324 | 296 | .338 | .110 | .836 | .049 |
| 240 | .156 | .113 | .666 | -.367 | 298 | .381 | .130 | .859 | -.009 |
| 241 | .205 | .108 | .651 | -.190 | 299 | -.567 | .137 | .004 | -1.043 |
| 242 | .159 | .105 | .561 | -.329 | 300 | -.335 | .090 | .004 | -.664 |
| 243 | .292 | .106 | .732 | .022 | 301 | -.098 | .050 | .093 | -.303 |
| 244 | .213 | .096 | .532 | -.272 | 302 | -.109 | .050 | .083 | -.316 |
| 245 | -.159 | .049 | -.014 | -.442 | 303 | -.075 | .053 | .150 | -.239 |
| 246 | -.141 | .049 | .007 | -.394 | 304 | -.237 | .088 | -.010 | -.623 |
| 247 | -.164 | .054 | .030 | -.377 | 305 | -.107 | .039 | .035 | -.266 |
| 248 | -.247 | .073 | -.010 | -.552 | 306 | -.116 | .057 | .063 | -.342 |
| 249 | -.403 | .111 | -.040 | -.807 | 307 | -.130 | .051 | .023 | -.394 |
| 250 | -.455 | .105 | -.147 | -1.030 | 308 | -.371 | .128 | .138 | -.906 |
| 251 | -.146 | .043 | -.006 | -.378 | 309 | -.410 | .115 | .042 | -.843 |
| 252 | -.120 | .043 | .019 | -.303 | 310 | .180 | .136 | .623 | -.515 |
| 253 | -.128 | .048 | .037 | -.339 | 311 | .154 | .066 | .277 | -.279 |
| 254 | -.237 | .078 | -.010 | -.577 | 312 | -.296 | .099 | .089 | -.710 |
| 255 | -.443 | .094 | -.174 | -.824 | 313 | -.122 | .033 | -.023 | -.261 |
| 256 | -.462 | .103 | -.233 | -.961 | 314 | -.125 | .034 | -.026 | -.271 |
| 257 | -.140 | .043 | -.004 | -.489 | 315 | -.124 | .036 | -.007 | -.260 |
| 258 | -.181 | .048 | -.024 | -.452 | 316 | -.195 | .046 | -.074 | -.401 |
| 259 | -.252 | .052 | -.127 | -.532 | 317 | -.185 | .053 | -.003 | -.391 |
| 260 | -.441 | .123 | -.096 | -1.074 | 318 | -.268 | .095 | -.052 | -.823 |
| 261 | -.547 | .165 | -.171 | -1.319 | 319 | -.205 | .063 | .014 | -.468 |
| 262 | -.465 | .105 | -.201 | -1.095 | 320 | -.181 | .049 | -.055 | -.380 |
| 263 | -.397 | .074 | -.190 | -.698 | 321 | -.199 | .046 | -.048 | -.387 |
| 264 | -.293 | .073 | -.073 | -.598 | 322 | .032 | .278 | .779 | -.871 |
| 265 | -.289 | .086 | 0.000 | -.639 | 323 | -.160 | .223 | .535 | -.800 |
| 266 | -.273 | .096 | -.004 | -.705 | 324 | -.182 | .139 | .376 | -.557 |
| 267 | -.211 | .093 | .035 | -.657 | 325 | -.225 | .125 | .296 | -.587 |
| 268 | -.347 | .107 | -.023 | -.731 | 326 | -.275 | .081 | .109 | -.572 |
| 269 | -.313 | .068 | -.141 | -.607 | 327 | -.143 | .030 | -.035 | -.255 |
| 270 | -.104 | .050 | .118 | -.293 | 328 | -.258 | .064 | -.004 | -.511 |
| 271 | -.047 | .050 | .144 | -.243 | 329 | .001 | .071 | .242 | -.246 |
| 272 | -.020 | .055 | .207 | -.206 | 330 | .028 | .059 | .234 | -.165 |
| 273 | .086 | .044 | .230 | -.187 | 331 | .025 | .065 | .273 | -.193 |
| 274 | -.306 | .142 | .237 | -.821 | 332 | .060 | .054 | .266 | -.096 |
| 276 | -.078 | .046 | .163 | -.272 | 333 | .039 | .053 | .217 | -.209 |
| 277 | -.027 | .051 | .291 | -.232 | 334 | .055 | .046 | .229 | -.137 |
| 278 | -.009 | .059 | .289 | -.250 | 335 | -.023 | .037 | .115 | -.154 |
| 279 | .006 | .065 | .279 | -.236 | 336 | -.037 | .034 | .131 | -.193 |
| 280 | -.266 | .186 | .301 | -1.080 | 337 | .057 | .181 | .494 | -.791 |
| 281 | -.282 | .102 | .068 | -.614 | 338 | -.095 | .197 | .382 | -.824 |
| 282 | -.193 | .111 | .196 | -.672 | 339 | -.153 | .041 | -.016 | -.305 |
| 283 | -.197 | .113 | .150 | -.611 | 340 | -.064 | .114 | .216 | -.483 |
| 284 | -.310 | .131 | .155 | -.811 | 341 | -.061 | .115 | .247 | -.515 |
| 285 | -.384 | .145 | .029 | -.876 | 342 | .187 | .149 | .669 | -.548 |

WIND ENGINEERING STUDY OF FLUOR HEADQUARTERS BUILDING
IRVINE, CALIFORNIA WIND DIRECTION= 30

| PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT | PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT |
|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|
| 1 | -.168 | .111 | .236 | -.690 | 58 | -.304 | .117 | .093 | -.736 |
| 2 | -.213 | .118 | .208 | -.703 | 59 | -.202 | .084 | .072 | -.591 |
| 3 | -.244 | .070 | .013 | -.488 | 60 | -.178 | .061 | .038 | -.499 |
| 4 | -.224 | .088 | .108 | -.538 | 61 | -.500 | .123 | -.222 | -1.213 |
| 5 | -.213 | .078 | .145 | -.529 | 62 | -.507 | .126 | -.177 | -1.080 |
| 6 | -.345 | .075 | -.009 | -.662 | 63 | -.381 | .150 | -.046 | -1.065 |
| 7 | .131 | .176 | .634 | -.805 | 64 | -.251 | .117 | .037 | -.820 |
| 8 | .176 | .116 | .572 | -.262 | 65 | -.172 | .073 | .046 | -.595 |
| 9 | .154 | .102 | .547 | -.199 | 66 | -.163 | .055 | .047 | -.545 |
| 10 | .098 | .089 | .440 | -.191 | 67 | -.499 | .144 | -.205 | -1.195 |
| 11 | -.002 | .054 | .197 | -.161 | 68 | -.454 | .141 | -.105 | -1.104 |
| 12 | -.310 | .078 | -.044 | -.609 | 69 | -.272 | .120 | .080 | -.813 |
| 13 | .235 | .247 | .931 | -1.117 | 70 | -.151 | .073 | .105 | -.724 |
| 14 | .213 | .147 | .659 | -.556 | 71 | -.135 | .050 | .058 | -.424 |
| 15 | .173 | .103 | .489 | -.245 | 72 | -.128 | .041 | .055 | -.415 |
| 16 | .097 | .073 | .377 | -.103 | 73 | -.207 | .061 | -.060 | -.547 |
| 17 | -.026 | .067 | .247 | -.239 | 74 | -.185 | .056 | -.028 | -.488 |
| 18 | -.280 | .067 | -.080 | -.556 | 75 | -.189 | .062 | .019 | -.470 |
| 19 | .165 | .228 | .805 | -.615 | 76 | -.208 | .081 | -.003 | -.664 |
| 20 | .168 | .152 | .646 | -.525 | 77 | -.213 | .072 | -.032 | -.709 |
| 21 | .131 | .104 | .504 | -.436 | 78 | -.174 | .048 | -.022 | -.390 |
| 22 | .065 | .080 | .343 | -.191 | 79 | -.181 | .046 | -.076 | -.523 |
| 23 | -.043 | .058 | .177 | -.204 | 80 | -.158 | .043 | -.038 | -.456 |
| 24 | -.290 | .063 | -.056 | -.533 | 81 | -.166 | .040 | -.048 | -.346 |
| 25 | .059 | .196 | .671 | -.693 | 82 | -.180 | .050 | -.034 | -.413 |
| 26 | .093 | .132 | .536 | -.530 | 83 | -.186 | .057 | -.019 | -.514 |
| 27 | .087 | .096 | .448 | -.408 | 84 | -.181 | .048 | -.013 | -.419 |
| 28 | .050 | .068 | .343 | -.207 | 85 | -.185 | .052 | -.018 | -.486 |
| 29 | -.065 | .052 | .239 | -.239 | 86 | -.176 | .052 | -.032 | -.473 |
| 30 | -.302 | .067 | -.046 | -.545 | 87 | -.098 | .036 | .010 | -.239 |
| 31 | .062 | .086 | .362 | -.309 | 88 | -.167 | .036 | -.053 | -.321 |
| 32 | .110 | .120 | .525 | -.457 | 89 | -.171 | .033 | -.066 | -.280 |
| 33 | .149 | .098 | .480 | -.163 | 90 | .004 | .026 | .084 | -.104 |
| 34 | .092 | .076 | .411 | -.117 | 91 | -.184 | .056 | .037 | -.542 |
| 35 | -.029 | .053 | .185 | -.177 | 92 | -.169 | .048 | -.022 | -.422 |
| 36 | .012 | .039 | .154 | -.235 | 93 | -.160 | .037 | -.045 | -.349 |
| 37 | -.651 | .155 | -.232 | -1.267 | 94 | -.159 | .037 | -.051 | -.334 |
| 38 | -.410 | .113 | -.129 | -.882 | 95 | -.175 | .040 | -.069 | -.343 |
| 39 | -.367 | .106 | -.114 | -.936 | 96 | -.183 | .048 | -.054 | -.482 |
| 40 | -.262 | .083 | -.050 | -.778 | 97 | -.183 | .055 | -.003 | -.536 |
| 41 | -.203 | .072 | -.028 | -.576 | 98 | -.170 | .050 | -.006 | -.500 |
| 42 | -.208 | .061 | -.045 | -.454 | 99 | -.165 | .048 | -.006 | -.448 |
| 43 | -.784 | .196 | -.327 | -1.424 | 100 | -.164 | .041 | -.044 | -.391 |
| 44 | -.503 | .150 | -.139 | -1.033 | 101 | -.171 | .041 | -.067 | -.377 |
| 45 | -.283 | .074 | -.022 | -.632 | 102 | -.178 | .051 | -.054 | -.485 |
| 46 | -.211 | .052 | -.053 | -.457 | 103 | -.160 | .048 | .007 | -.400 |
| 47 | -.172 | .033 | -.086 | -.344 | 104 | -.158 | .048 | -.003 | -.375 |
| 48 | -.172 | .040 | -.037 | -.324 | 105 | -.155 | .046 | -.013 | -.375 |
| 49 | -.541 | .116 | -.224 | -.993 | 106 | -.125 | .040 | -.013 | -.321 |
| 50 | -.558 | .125 | -.221 | -1.002 | 107 | -.165 | .040 | -.064 | -.340 |
| 51 | -.442 | .119 | -.173 | -.853 | 108 | -.100 | .038 | -.006 | -.284 |
| 52 | -.275 | .100 | -.034 | -.765 | 109 | -.163 | .044 | -.034 | -.426 |
| 53 | -.183 | .061 | .015 | -.495 | 110 | -.167 | .050 | -.029 | -.478 |
| 54 | -.167 | .047 | .054 | -.410 | 111 | -.159 | .043 | -.025 | -.369 |
| 55 | -.490 | .048 | -.230 | -.857 | 112 | -.153 | .048 | .006 | -.388 |
| 56 | -.510 | .106 | -.179 | -.962 | 113 | -.155 | .052 | .016 | -.501 |
| 57 | -.439 | .129 | -.072 | -.972 | 114 | -.172 | .060 | .012 | -.563 |

WIND ENGINEERING STUDY OF FLUOR HEADQUARTERS BUILDING
IRVINE, CALIFORNIA

WIND DIRECTION= 30

| PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT | PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT |
|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|
| 115 | -.148 | .036 | -.040 | -.249 | 172 | -.125 | .034 | -.020 | -.247 |
| 116 | -.150 | .031 | -.047 | -.297 | 173 | -.112 | .034 | -.016 | -.250 |
| 117 | -.146 | .031 | -.029 | -.308 | 174 | -.105 | .036 | .001 | -.258 |
| 118 | -.144 | .037 | -.040 | -.381 | 175 | -.123 | .037 | -.007 | -.347 |
| 119 | -.143 | .042 | .009 | -.368 | 176 | -.122 | .031 | -.010 | -.318 |
| 120 | -.150 | .050 | .031 | -.409 | 177 | -.116 | .030 | -.020 | -.267 |
| 121 | -.164 | .034 | -.047 | -.293 | 178 | -.109 | .032 | -.010 | -.267 |
| 122 | -.152 | .029 | -.051 | -.265 | 179 | -.117 | .039 | .020 | -.283 |
| 123 | -.151 | .027 | -.054 | -.265 | 180 | -.116 | .042 | .022 | -.299 |
| 124 | -.147 | .028 | -.047 | -.275 | 181 | -.067 | .061 | .253 | -.273 |
| 125 | -.143 | .032 | -.038 | -.300 | 182 | -.020 | .082 | .358 | -.254 |
| 126 | -.101 | .034 | .016 | -.314 | 183 | .054 | .096 | .505 | -.274 |
| 127 | -.168 | .036 | -.048 | -.334 | 184 | -.016 | .107 | .641 | -.393 |
| 128 | -.157 | .031 | -.064 | -.281 | 185 | .065 | .070 | .390 | -.163 |
| 129 | -.145 | .029 | -.035 | -.259 | 186 | .065 | .116 | .604 | -.254 |
| 130 | -.139 | .029 | -.038 | -.248 | 187 | .069 | .081 | .380 | -.102 |
| 131 | -.144 | .029 | -.044 | -.279 | 188 | .048 | .076 | .341 | -.231 |
| 132 | -.149 | .034 | -.036 | -.334 | 189 | -.009 | .074 | .287 | -.210 |
| 133 | -.169 | .040 | -.041 | -.428 | 190 | -.016 | .066 | .232 | -.209 |
| 134 | -.155 | .034 | -.049 | -.313 | 191 | -.016 | .063 | .228 | -.319 |
| 135 | -.151 | .031 | -.042 | -.287 | 192 | -.006 | .061 | .239 | -.248 |
| 136 | -.142 | .029 | -.016 | -.250 | 193 | .018 | .084 | .361 | -.225 |
| 137 | -.124 | .029 | .007 | -.232 | 194 | -.061 | .078 | .289 | -.327 |
| 138 | -.129 | .034 | -.009 | -.283 | 195 | -.032 | .066 | .241 | -.345 |
| 139 | -.167 | .041 | -.064 | -.383 | 196 | -.022 | .061 | .276 | -.277 |
| 140 | -.156 | .036 | -.051 | -.295 | 197 | .066 | .089 | .575 | -.181 |
| 141 | -.139 | .035 | .017 | -.268 | 198 | -.040 | .092 | .303 | -.369 |
| 142 | -.126 | .035 | .007 | -.274 | 199 | -.067 | .090 | .305 | -.647 |
| 143 | -.118 | .034 | .036 | -.226 | 200 | -.054 | .074 | .293 | -.348 |
| 144 | -.124 | .037 | .029 | -.280 | 201 | .079 | .074 | .396 | -.155 |
| 145 | -.159 | .054 | .062 | -.444 | 202 | .002 | .079 | .266 | -.409 |
| 146 | -.149 | .065 | .048 | -.505 | 203 | -.020 | .081 | .247 | -.354 |
| 147 | -.146 | .065 | .071 | -.501 | 204 | .011 | .082 | .461 | -.309 |
| 148 | -.146 | .060 | .017 | -.469 | 205 | .018 | .055 | .279 | -.168 |
| 149 | -.153 | .061 | -.004 | -.499 | 206 | .013 | .063 | .332 | -.136 |
| 150 | -.165 | .062 | -.026 | -.464 | 207 | .065 | .107 | .393 | -.467 |
| 151 | -.151 | .048 | -.023 | -.416 | 208 | -.063 | .176 | .590 | -.829 |
| 152 | -.142 | .050 | -.007 | -.393 | 209 | .027 | .061 | .290 | -.156 |
| 153 | -.132 | .047 | -.004 | -.511 | 210 | .092 | .076 | .497 | -.129 |
| 154 | -.134 | .047 | .012 | -.401 | 211 | .108 | .102 | .483 | -.526 |
| 155 | -.150 | .049 | -.006 | -.350 | 212 | -.050 | .222 | .497 | -.806 |
| 156 | -.164 | .052 | -.007 | -.450 | 213 | .022 | .064 | .277 | -.200 |
| 157 | -.150 | .046 | -.045 | -.592 | 214 | .087 | .066 | .403 | -.107 |
| 158 | -.143 | .040 | -.044 | -.547 | 215 | .086 | .090 | .410 | -.365 |
| 159 | -.137 | .036 | -.039 | -.419 | 216 | .003 | .139 | .398 | -.645 |
| 160 | -.133 | .034 | -.039 | -.308 | 217 | .060 | .059 | .322 | -.165 |
| 161 | -.122 | .035 | -.026 | -.260 | 218 | .113 | .060 | .356 | -.103 |
| 162 | -.122 | .033 | -.026 | -.250 | 219 | .026 | .077 | .520 | -.087 |
| 163 | -.148 | .042 | -.045 | -.430 | 220 | .098 | .097 | .480 | -.212 |
| 164 | -.142 | .034 | -.051 | -.296 | 221 | .114 | .090 | .556 | -.164 |
| 165 | -.131 | .032 | -.033 | -.277 | 222 | .254 | .105 | .739 | -.020 |
| 166 | -.124 | .032 | -.023 | -.279 | 223 | .336 | .139 | .882 | -.032 |
| 167 | -.123 | .034 | -.032 | -.347 | 224 | .337 | .136 | .882 | -.146 |
| 168 | -.123 | .036 | -.009 | -.334 | 225 | .122 | .113 | .668 | -.194 |
| 169 | -.143 | .046 | -.020 | -.470 | 226 | .263 | .099 | .651 | .039 |
| 170 | -.133 | .036 | -.038 | -.348 | 227 | .311 | .109 | .704 | .064 |
| 171 | -.130 | .035 | -.033 | -.306 | 228 | .310 | .108 | .694 | .070 |

WIND ENGINEERING STUDY OF FLUOR HEADQUARTERS BUILDING
IRVINE, CALIFORNIA

WIND DIRECTION= 30

| PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT | PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT |
|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|
| 229 | .107 | .083 | .581 | -.219 | 286 | -.207 | .115 | .250 | -.696 |
| 230 | .226 | .075 | .606 | .062 | 287 | .215 | .146 | .709 | -.151 |
| 231 | .273 | .107 | .810 | .030 | 288 | .331 | .155 | .817 | -.042 |
| 232 | .270 | .108 | .807 | .032 | 289 | .343 | .161 | .881 | -.022 |
| 233 | .133 | .082 | .498 | -.120 | 290 | .341 | .158 | .852 | -.098 |
| 234 | .144 | .080 | .497 | -.125 | 291 | .341 | .150 | .861 | -.083 |
| 235 | .332 | .135 | 1.213 | .064 | 292 | .281 | .150 | .802 | -.197 |
| 236 | .328 | .133 | 1.084 | .059 | 293 | .239 | .112 | .674 | -.082 |
| 237 | .304 | .136 | .852 | -.604 | 294 | .269 | .100 | .637 | -.029 |
| 238 | .262 | .185 | .867 | -.794 | 295 | .301 | .110 | .704 | -.063 |
| 239 | .278 | .100 | .716 | .013 | 296 | .324 | .117 | .740 | -.096 |
| 240 | .194 | .133 | .684 | -.370 | 298 | .299 | .173 | .799 | -.738 |
| 241 | .244 | .091 | .661 | -.143 | 299 | -.468 | .147 | -.931 | -.915 |
| 242 | .159 | .104 | .636 | -.174 | 300 | -.204 | .068 | -.013 | -.580 |
| 243 | .293 | .112 | .849 | .039 | 301 | -.077 | .046 | .089 | -.263 |
| 244 | .158 | .067 | .445 | -.009 | 302 | -.083 | .046 | .083 | -.251 |
| 245 | -.147 | .050 | -.010 | -.422 | 303 | -.061 | .047 | .124 | -.212 |
| 246 | -.129 | .050 | .004 | -.440 | 304 | -.235 | .080 | -.029 | -.545 |
| 247 | -.140 | .052 | -.006 | -.438 | 305 | -.099 | .038 | .020 | -.313 |
| 248 | -.165 | .059 | -.026 | -.466 | 306 | -.055 | .042 | .092 | -.227 |
| 249 | -.246 | .089 | -.006 | -.696 | 307 | -.125 | .061 | .098 | -.396 |
| 250 | -.372 | .097 | -.132 | -.862 | 308 | -.281 | .177 | .333 | -.890 |
| 251 | -.135 | .042 | .028 | -.409 | 309 | -.275 | .086 | .032 | -.601 |
| 252 | -.093 | .041 | .047 | -.297 | 310 | .082 | .125 | .489 | -.570 |
| 253 | -.081 | .041 | .063 | -.254 | 311 | .003 | .143 | .397 | -.476 |
| 254 | -.117 | .051 | .032 | -.399 | 312 | -.307 | .088 | -.023 | -.674 |
| 255 | -.255 | .078 | -.063 | -.579 | 313 | -.217 | .054 | -.018 | -.442 |
| 256 | -.353 | .090 | -.120 | -.870 | 314 | -.196 | .062 | .003 | -.448 |
| 257 | -.126 | .051 | .066 | -.441 | 315 | -.176 | .054 | .015 | -.406 |
| 258 | -.158 | .060 | .007 | -.539 | 316 | -.126 | .044 | -.003 | -.321 |
| 259 | -.208 | .054 | -.051 | -.428 | 317 | -.133 | .047 | 0.000 | -.350 |
| 260 | -.348 | .138 | .012 | -1.019 | 318 | -.180 | .057 | -.031 | -.439 |
| 261 | -.324 | .178 | .072 | -1.130 | 319 | -.178 | .053 | -.028 | -.392 |
| 262 | -.494 | .147 | -.061 | -1.120 | 320 | -.182 | .077 | .050 | -.542 |
| 263 | -.294 | .068 | -.026 | -.621 | 321 | -.136 | .048 | -.009 | -.443 |
| 264 | -.193 | .078 | .145 | -.545 | 322 | .124 | .129 | .559 | -.473 |
| 265 | -.205 | .096 | .139 | -.626 | 323 | .100 | .145 | .612 | -.553 |
| 266 | -.239 | .111 | .127 | -.683 | 324 | -.072 | .252 | .826 | -.728 |
| 267 | -.244 | .102 | .088 | -.643 | 325 | -.273 | .149 | .637 | -.708 |
| 268 | -.253 | .118 | .174 | -.712 | 326 | -.215 | .069 | .061 | -.447 |
| 269 | -.154 | .061 | .083 | -.403 | 327 | -.119 | .027 | .004 | -.205 |
| 270 | .059 | .090 | .373 | -.175 | 328 | -.269 | .055 | -.070 | -.444 |
| 271 | .121 | .099 | .449 | -.118 | 329 | .122 | .083 | .450 | -.164 |
| 272 | .147 | .102 | .510 | -.096 | 330 | .128 | .066 | .414 | -.072 |
| 273 | .180 | .056 | .396 | -.091 | 331 | .117 | .063 | .368 | -.273 |
| 274 | .019 | .199 | .630 | -.681 | 332 | .136 | .053 | .351 | -.079 |
| 276 | .049 | .077 | .360 | -.254 | 333 | .115 | .053 | .368 | -.143 |
| 277 | .103 | .083 | .479 | -.216 | 334 | .118 | .052 | .355 | -.110 |
| 278 | .126 | .087 | .514 | -.228 | 335 | .074 | .041 | .244 | -.177 |
| 279 | .157 | .089 | .520 | -.181 | 336 | .053 | .042 | .221 | -.133 |
| 280 | .082 | .161 | .626 | -.665 | 337 | .182 | .141 | .624 | -.727 |
| 281 | -.180 | .129 | .267 | -.640 | 338 | .191 | .048 | .319 | -.089 |
| 282 | -.155 | .133 | .288 | -.678 | 339 | .054 | .104 | .392 | -.375 |
| 283 | -.183 | .118 | .384 | -.545 | 340 | .050 | .095 | .462 | -.310 |
| 284 | -.250 | .115 | .269 | -.602 | 341 | -.027 | .061 | .223 | -.287 |
| 285 | -.235 | .117 | .370 | -.639 | 342 | .161 | .146 | .640 | -.585 |

WIND ENGINEERING STUDY OF FLUOR HEADQUARTERS BUILDING
IRVINE, CALIFORNIA

WIND DIRECTION= 45

| PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT | PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT |
|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|
| 1 | -.211 | .113 | .146 | -.914 | 58 | -.253 | .096 | .128 | -.797 |
| 2 | -.099 | .092 | .191 | -.582 | 59 | -.225 | .086 | .060 | -.594 |
| 3 | -.145 | .029 | -.072 | -.244 | 60 | -.235 | .098 | .038 | -.733 |
| 4 | -.169 | .077 | .134 | -.526 | 61 | -.270 | .095 | -.067 | -.701 |
| 5 | -.177 | .070 | .061 | -.425 | 62 | -.288 | .100 | -.039 | -.730 |
| 6 | -.231 | .065 | -.032 | -.505 | 63 | -.281 | .103 | .009 | -.736 |
| 7 | -.172 | .189 | .312 | -1.000 | 64 | -.275 | .105 | .055 | -.771 |
| 8 | .065 | .093 | .342 | -.387 | 65 | -.231 | .090 | .098 | -.616 |
| 9 | .039 | .074 | .317 | -.236 | 66 | -.223 | .090 | .048 | -.615 |
| 10 | .011 | .065 | .241 | -.219 | 67 | -.268 | .109 | -.023 | -.867 |
| 11 | -.038 | .052 | .153 | -.223 | 68 | -.256 | .095 | -.051 | -.702 |
| 12 | -.183 | .075 | .003 | -.565 | 69 | -.225 | .082 | .022 | -.610 |
| 13 | -.226 | .280 | .682 | -1.309 | 70 | -.178 | .073 | .066 | -.615 |
| 14 | .047 | .146 | .404 | -.762 | 71 | -.164 | .070 | .026 | -.553 |
| 15 | .047 | .090 | .393 | -.536 | 72 | -.135 | .060 | .055 | -.552 |
| 16 | .017 | .056 | .245 | -.228 | 73 | -.177 | .067 | .010 | -.508 |
| 17 | -.050 | .057 | .193 | -.270 | 74 | -.180 | .076 | .036 | -.596 |
| 18 | -.161 | .068 | .013 | -.426 | 75 | -.222 | .109 | .082 | -.809 |
| 19 | -.199 | .218 | .584 | -1.071 | 76 | -.217 | .110 | .104 | -.893 |
| 20 | -.016 | .173 | .397 | -.769 | 77 | -.193 | .075 | .049 | -.560 |
| 21 | .020 | .098 | .337 | -.517 | 78 | -.198 | .082 | -.006 | -.595 |
| 22 | -.004 | .061 | .286 | -.369 | 79 | -.172 | .061 | .014 | -.480 |
| 23 | -.057 | .046 | .147 | -.228 | 80 | -.149 | .055 | .009 | -.405 |
| 24 | -.185 | .064 | .003 | -.469 | 81 | -.167 | .062 | -.016 | -.464 |
| 25 | -.175 | .141 | .404 | -1.076 | 82 | -.171 | .060 | -.016 | -.514 |
| 26 | -.083 | .132 | .236 | -1.022 | 83 | -.171 | .056 | -.017 | -.574 |
| 27 | -.021 | .097 | .188 | -.644 | 84 | -.189 | .067 | -.036 | -.595 |
| 28 | -.007 | .054 | .182 | -.309 | 85 | -.194 | .067 | .049 | -.557 |
| 29 | -.066 | .053 | .216 | -.369 | 86 | -.173 | .054 | .027 | -.423 |
| 30 | -.190 | .074 | .031 | -.531 | 87 | -.099 | .045 | .033 | -.287 |
| 31 | -.060 | .089 | .226 | -.505 | 88 | -.173 | .050 | -.019 | -.381 |
| 32 | -.058 | .110 | .311 | -.664 | 89 | -.177 | .052 | -.039 | -.430 |
| 33 | .028 | .110 | .469 | -.542 | 90 | -.006 | .046 | .101 | -.216 |
| 34 | .041 | .075 | .326 | -.258 | 91 | -.195 | .073 | .042 | -.446 |
| 35 | -.019 | .055 | .206 | -.261 | 92 | -.175 | .057 | .051 | -.381 |
| 36 | .081 | .035 | .169 | -.134 | 93 | -.168 | .051 | .012 | -.396 |
| 37 | -.260 | .092 | -.046 | -.663 | 94 | -.168 | .050 | -.023 | -.394 |
| 38 | -.275 | .096 | -.038 | -.734 | 95 | -.177 | .053 | -.045 | -.449 |
| 39 | -.279 | .095 | .009 | -.706 | 96 | -.198 | .071 | -.033 | -.587 |
| 40 | -.260 | .094 | .035 | -.661 | 97 | -.187 | .071 | .036 | -.518 |
| 41 | -.226 | .095 | .045 | -.669 | 98 | -.169 | .060 | .029 | -.511 |
| 42 | -.190 | .074 | .019 | -.547 | 99 | -.163 | .054 | -.017 | -.409 |
| 43 | -.265 | .114 | -.065 | -.818 | 100 | -.165 | .050 | -.029 | -.368 |
| 44 | -.274 | .111 | -.068 | -.838 | 101 | -.164 | .052 | -.013 | -.412 |
| 45 | -.278 | .092 | -.010 | -.611 | 102 | -.187 | .078 | .017 | -.512 |
| 46 | -.250 | .081 | .058 | -.590 | 103 | -.162 | .062 | .054 | -.499 |
| 47 | -.204 | .069 | .033 | -.479 | 104 | -.159 | .059 | .020 | -.476 |
| 48 | -.180 | .067 | .054 | -.491 | 105 | -.163 | .055 | .003 | -.440 |
| 49 | -.227 | .081 | -.039 | -.589 | 106 | -.135 | .050 | -.003 | -.383 |
| 50 | -.245 | .088 | -.039 | -.651 | 107 | -.169 | .055 | -.038 | -.402 |
| 51 | -.256 | .091 | .007 | -.713 | 108 | -.109 | .058 | .048 | -.368 |
| 52 | -.242 | .091 | .062 | -.751 | 109 | -.195 | .072 | -.003 | -.561 |
| 53 | -.217 | .072 | .084 | -.572 | 110 | -.177 | .070 | .007 | -.485 |
| 54 | -.220 | .086 | .067 | -.722 | 111 | -.158 | .074 | .069 | -.641 |
| 55 | -.237 | .081 | -.054 | -.685 | 112 | -.157 | .095 | .101 | -.839 |
| 56 | -.256 | .087 | -.048 | -.787 | 113 | -.143 | .068 | .072 | -.506 |
| 57 | -.263 | .101 | .007 | -1.001 | 114 | -.146 | .068 | .045 | -.554 |

WIND ENGINEERING STUDY OF FLUOR HEADQUARTERS BUILDING
IRVINE, CALIFORNIA

WIND DIRECTION= 45

| PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT | PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT |
|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|
| 115 | -.163 | .060 | -.010 | -.502 | 172 | -.130 | .046 | 0.000 | -.399 |
| 116 | -.152 | .055 | -.010 | -.456 | 173 | -.118 | .045 | 0.000 | -.387 |
| 117 | -.140 | .059 | .082 | -.703 | 174 | -.112 | .045 | .026 | -.383 |
| 118 | -.135 | .061 | .084 | -.596 | 175 | -.171 | .080 | -.027 | -.603 |
| 119 | -.131 | .059 | .072 | -.423 | 176 | -.156 | .062 | -.014 | -.491 |
| 120 | -.132 | .058 | .068 | -.463 | 177 | -.140 | .054 | .017 | -.400 |
| 121 | -.167 | .053 | -.009 | -.405 | 178 | -.133 | .052 | -.016 | -.410 |
| 122 | -.142 | .043 | -.009 | -.326 | 179 | -.130 | .055 | .026 | -.478 |
| 123 | -.140 | .041 | -.017 | -.298 | 180 | -.127 | .055 | .048 | -.379 |
| 124 | -.136 | .043 | -.006 | -.333 | 181 | -.027 | .062 | .291 | -.230 |
| 125 | -.135 | .048 | .019 | -.385 | 182 | .063 | .101 | .637 | -.259 |
| 126 | -.094 | .048 | .043 | -.370 | 183 | .100 | .100 | .591 | -.247 |
| 127 | -.166 | .050 | -.039 | -.381 | 184 | .084 | .136 | .739 | -.286 |
| 128 | -.141 | .039 | -.023 | -.284 | 185 | .083 | .080 | .376 | -.188 |
| 129 | -.128 | .037 | .081 | -.275 | 186 | .137 | .121 | .807 | -.256 |
| 130 | -.123 | .039 | -.017 | -.271 | 187 | .057 | .072 | .361 | -.119 |
| 131 | -.134 | .041 | .007 | -.305 | 188 | .109 | .083 | .512 | -.133 |
| 132 | -.150 | .052 | -.010 | -.373 | 189 | .064 | .085 | .507 | -.181 |
| 133 | -.153 | .056 | -.004 | -.374 | 190 | .042 | .075 | .438 | -.231 |
| 134 | -.130 | .042 | .014 | -.257 | 191 | .021 | .078 | .327 | -.536 |
| 135 | -.121 | .038 | .012 | -.286 | 192 | .032 | .063 | .276 | -.260 |
| 136 | -.119 | .038 | -.004 | -.301 | 193 | .106 | .109 | .782 | -.143 |
| 137 | -.115 | .043 | .023 | -.337 | 194 | .006 | .110 | .424 | -.410 |
| 138 | -.141 | .057 | -.012 | -.450 | 195 | .020 | .079 | .322 | -.309 |
| 139 | -.150 | .058 | .053 | -.363 | 196 | .014 | .073 | .312 | -.410 |
| 140 | -.127 | .044 | .042 | -.289 | 197 | .126 | .089 | .528 | -.110 |
| 141 | -.112 | .040 | .053 | -.283 | 198 | .028 | .101 | .442 | -.387 |
| 142 | -.109 | .038 | .027 | -.259 | 199 | .012 | .100 | .380 | -.410 |
| 143 | -.114 | .040 | .088 | -.286 | 200 | .018 | .086 | .418 | -.413 |
| 144 | -.141 | .052 | .014 | -.384 | 201 | .138 | .082 | .468 | -.127 |
| 145 | -.142 | .064 | .049 | -.460 | 202 | .059 | .084 | .474 | -.357 |
| 146 | -.150 | .077 | .072 | -.552 | 203 | .056 | .081 | .455 | -.286 |
| 147 | -.151 | .079 | .104 | -.549 | 204 | .101 | .085 | .418 | -.143 |
| 148 | -.164 | .075 | .053 | -.583 | 205 | .069 | .060 | .338 | -.156 |
| 149 | -.180 | .078 | .007 | -.584 | 206 | .127 | .066 | .451 | -.186 |
| 150 | -.187 | .083 | -.012 | -.840 | 207 | .146 | .088 | .494 | -.182 |
| 151 | -.138 | .063 | .056 | -.483 | 208 | .076 | .121 | .702 | -.637 |
| 152 | -.138 | .066 | .043 | -.768 | 209 | .094 | .056 | .320 | -.065 |
| 153 | -.137 | .062 | .085 | -.439 | 210 | .178 | .091 | .677 | -.110 |
| 154 | -.143 | .065 | .103 | -.541 | 211 | .183 | .095 | .754 | -.106 |
| 155 | -.189 | .075 | .066 | -.572 | 212 | .103 | .169 | .887 | -.517 |
| 156 | -.207 | .083 | -.009 | -.648 | 213 | .065 | .053 | .292 | -.104 |
| 157 | -.160 | .065 | -.007 | -.536 | 214 | .131 | .061 | .404 | -.055 |
| 158 | -.151 | .056 | .009 | -.406 | 215 | .170 | .075 | .543 | -.104 |
| 159 | -.155 | .064 | .003 | -.569 | 216 | .103 | .117 | .517 | -.492 |
| 160 | -.150 | .062 | .004 | -.587 | 217 | .124 | .071 | .508 | -.078 |
| 161 | -.140 | .057 | .003 | -.510 | 218 | .182 | .076 | .602 | -.003 |
| 162 | -.138 | .055 | -.004 | -.474 | 219 | .202 | .083 | .628 | -.012 |
| 163 | -.166 | .066 | -.025 | -.502 | 220 | .181 | .092 | .605 | -.153 |
| 164 | -.153 | .052 | -.038 | -.413 | 221 | .149 | .090 | .585 | -.140 |
| 165 | -.140 | .048 | -.020 | -.428 | 222 | .290 | .118 | .702 | -.072 |
| 166 | -.132 | .048 | .004 | -.405 | 223 | .326 | .136 | 1.026 | -.188 |
| 167 | -.129 | .048 | .012 | -.345 | 224 | .348 | .141 | .953 | 0.000 |
| 168 | -.127 | .048 | .012 | -.403 | 225 | .255 | .121 | .786 | -.140 |
| 169 | -.173 | .082 | -.013 | -.536 | 226 | .327 | .126 | .824 | .020 |
| 170 | -.154 | .061 | -.007 | -.437 | 227 | .351 | .132 | .863 | .030 |
| 171 | -.138 | .048 | -.020 | -.363 | 228 | .359 | .133 | .825 | .048 |

WIND ENGINEERING STUDY OF FLUOR HEADQUARTERS BUILDING
IRVINE, CALIFORNIA

WIND DIRECTION= 45

| PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT | PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT |
|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|
| 229 | .195 | .083 | .518 | -.032 | 286 | -.168 | .110 | .226 | -.549 |
| 230 | .290 | .104 | .663 | .026 | 287 | .342 | .187 | .862 | -.446 |
| 231 | .338 | .126 | .838 | .080 | 288 | .374 | .174 | .956 | -.074 |
| 232 | .338 | .127 | .850 | .068 | 289 | .383 | .179 | .944 | -.153 |
| 233 | .225 | .100 | .722 | -.041 | 290 | .366 | .172 | .925 | -.102 |
| 234 | .233 | .098 | .676 | -.003 | 291 | .331 | .150 | .781 | -.098 |
| 235 | .388 | .156 | 1.113 | .049 | 292 | .144 | .144 | .588 | -.417 |
| 236 | .384 | .154 | 1.099 | .049 | 293 | .319 | .133 | .788 | -.130 |
| 237 | .333 | .137 | .760 | -.193 | 294 | .313 | .125 | .770 | -.104 |
| 238 | .357 | .214 | .971 | -.698 | 295 | .333 | .131 | .824 | -.387 |
| 239 | .344 | .123 | .828 | .045 | 296 | .330 | .135 | .788 | -.168 |
| 240 | .267 | .147 | .853 | -.263 | 298 | .132 | .152 | .582 | -.566 |
| 241 | .311 | .107 | .722 | .068 | 299 | -.291 | .103 | .022 | -.778 |
| 242 | .167 | .121 | .670 | -.166 | 300 | -.122 | .048 | .079 | -.394 |
| 243 | .327 | .134 | .918 | .025 | 301 | -.070 | .060 | .150 | -.299 |
| 244 | .156 | .084 | .594 | -.043 | 302 | -.078 | .060 | .185 | -.306 |
| 245 | -.166 | .058 | .013 | -.442 | 303 | -.067 | .056 | .150 | -.293 |
| 246 | -.131 | .061 | .089 | -.407 | 304 | -.205 | .092 | -.003 | -.659 |
| 247 | -.124 | .058 | .044 | -.395 | 305 | -.160 | .096 | .115 | -.605 |
| 248 | -.113 | .072 | .083 | -.452 | 306 | -.082 | .055 | .099 | -.284 |
| 249 | -.128 | .097 | .166 | -.576 | 307 | -.165 | .079 | .131 | -.487 |
| 250 | -.276 | .114 | .048 | -.722 | 308 | -.226 | .192 | .379 | -.829 |
| 251 | -.149 | .058 | .019 | -.451 | 309 | -.262 | .113 | .206 | -.826 |
| 252 | -.077 | .053 | .105 | -.266 | 310 | -.091 | .134 | .396 | -.534 |
| 253 | -.044 | .058 | .169 | -.305 | 311 | -.143 | .129 | .415 | -.534 |
| 254 | -.041 | .063 | .182 | -.373 | 312 | -.250 | .077 | -.030 | -.630 |
| 255 | -.115 | .120 | .206 | -.635 | 313 | -.191 | .061 | -.015 | -.429 |
| 256 | -.282 | .120 | .179 | -.845 | 314 | -.159 | .065 | .028 | -.528 |
| 257 | -.120 | .077 | .209 | -.639 | 315 | -.138 | .054 | .036 | -.362 |
| 258 | -.108 | .094 | .217 | -.655 | 316 | -.222 | .068 | -.050 | -.546 |
| 259 | -.107 | .084 | .144 | -.480 | 317 | -.244 | .073 | -.061 | -.492 |
| 260 | -.162 | .174 | .289 | -1.012 | 318 | -.188 | .066 | -.007 | -.514 |
| 261 | -.094 | .160 | .315 | -1.221 | 319 | -.188 | .070 | -.001 | -.565 |
| 262 | -.296 | .207 | .247 | -1.011 | 320 | -.117 | .074 | .146 | -.501 |
| 263 | -.181 | .089 | .133 | -.776 | 321 | -.114 | .061 | .150 | -.399 |
| 264 | -.109 | .099 | .252 | -.471 | 322 | .193 | .141 | .785 | -.470 |
| 265 | -.118 | .122 | .369 | -.573 | 323 | .203 | .157 | .616 | -.423 |
| 266 | -.158 | .141 | .381 | -.670 | 324 | .083 | .237 | .977 | -.728 |
| 267 | -.207 | .149 | .368 | -.788 | 325 | -.106 | .207 | .609 | -.708 |
| 268 | -.134 | .149 | .403 | -.741 | 326 | -.075 | .082 | .244 | -.411 |
| 269 | -.030 | .101 | .385 | -.362 | 327 | -.116 | .034 | -.007 | -.277 |
| 270 | .159 | .125 | .732 | -.174 | 328 | -.274 | .062 | -.093 | -.496 |
| 271 | .211 | .132 | .753 | -.124 | 329 | .205 | .098 | .581 | -.134 |
| 272 | .236 | .139 | .801 | -.099 | 330 | .193 | .089 | .496 | -.067 |
| 273 | .251 | .081 | .563 | .045 | 331 | .147 | .092 | .503 | -.142 |
| 274 | .264 | .198 | .810 | -.586 | 332 | .156 | .085 | .430 | -.063 |
| 276 | .119 | .090 | .481 | -.277 | 333 | .131 | .080 | .406 | -.162 |
| 277 | .168 | .088 | .533 | -.146 | 334 | .131 | .077 | .407 | -.104 |
| 278 | .198 | .098 | .568 | -.144 | 335 | .088 | .063 | .311 | -.111 |
| 279 | .242 | .110 | .678 | -.191 | 336 | .065 | .064 | .298 | -.217 |
| 280 | .251 | .146 | .851 | -.306 | 337 | .213 | .161 | .730 | -.609 |
| 281 | -.095 | .149 | .572 | -.719 | 338 | .224 | .042 | .353 | -.074 |
| 282 | -.115 | .148 | .403 | -.842 | 339 | .107 | .095 | .488 | -.431 |
| 283 | -.107 | .128 | .338 | -.662 | 340 | .099 | .089 | .534 | -.281 |
| 284 | -.136 | .121 | .340 | -.632 | 341 | .011 | .061 | .279 | -.244 |
| 285 | -.128 | .114 | .325 | -.549 | 342 | .181 | .155 | .790 | -.657 |

WIND ENGINEERING STUDY OF FLUOR HEADQUARTERS BUILDING
IRVINE, CALIFORNIA

WIND DIRECTION= 60

| PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT | PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT |
|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|
| 1 | -.504 | .190 | -.016 | -1.498 | 58 | -.203 | .075 | 0.000 | -.510 |
| 2 | -.216 | .100 | .035 | -.688 | 59 | -.173 | .058 | .038 | -.462 |
| 3 | -.217 | .069 | -.053 | -.475 | 60 | -.169 | .057 | .018 | -.418 |
| 4 | -.177 | .064 | .026 | -.595 | 61 | -.249 | .095 | -.037 | -.805 |
| 5 | -.146 | .059 | .077 | -.520 | 62 | -.217 | .079 | -.039 | -.713 |
| 6 | -.186 | .057 | -.026 | -.481 | 63 | -.194 | .068 | -.031 | -.596 |
| 7 | -.620 | .200 | -.037 | -1.588 | 64 | -.182 | .061 | -.016 | -.544 |
| 8 | -.255 | .115 | .061 | -.760 | 65 | -.161 | .053 | -.004 | -.492 |
| 9 | -.190 | .088 | .054 | -.747 | 66 | -.156 | .051 | 0.000 | -.374 |
| 10 | -.157 | .071 | .048 | -.539 | 67 | -.247 | .025 | -.177 | -.326 |
| 11 | -.143 | .048 | -.010 | -.374 | 68 | -.061 | .004 | -.044 | -.073 |
| 12 | -.186 | .054 | .029 | -.438 | 69 | -.163 | .007 | -.139 | -.186 |
| 13 | -.528 | .189 | -.070 | -1.334 | 70 | -.139 | .046 | -.013 | -.415 |
| 14 | -.492 | .200 | .091 | -1.286 | 71 | -.133 | .047 | .006 | -.368 |
| 15 | -.349 | .158 | .066 | -1.011 | 72 | -.115 | .045 | .007 | -.305 |
| 16 | -.224 | .109 | .047 | -.793 | 73 | -.187 | .064 | .016 | -.613 |
| 17 | -.188 | .080 | .069 | -.663 | 74 | -.199 | .088 | .031 | -.764 |
| 18 | -.203 | .067 | 0.000 | -.602 | 75 | -.193 | .090 | .055 | -.694 |
| 19 | -.404 | .147 | .060 | -1.252 | 76 | -.168 | .060 | -.004 | -.558 |
| 20 | -.408 | .149 | .026 | -1.080 | 77 | -.179 | .062 | -.019 | -.517 |
| 21 | -.382 | .154 | .094 | -1.097 | 78 | -.196 | .082 | .001 | -.606 |
| 22 | -.276 | .124 | .148 | -.865 | 79 | -.179 | .062 | .017 | -.415 |
| 23 | -.204 | .076 | .042 | -.551 | 80 | -.151 | .051 | .007 | -.420 |
| 24 | -.220 | .074 | -.018 | -.621 | 81 | -.158 | .046 | -.038 | -.362 |
| 25 | -.356 | .117 | -.022 | -.985 | 82 | -.155 | .046 | -.019 | -.381 |
| 26 | -.353 | .123 | .032 | -1.080 | 83 | -.160 | .055 | 0.000 | -.581 |
| 27 | -.350 | .136 | .124 | -1.191 | 84 | -.183 | .075 | -.015 | -.630 |
| 28 | -.226 | .116 | .156 | -.694 | 85 | -.189 | .054 | -.032 | -.389 |
| 29 | -.183 | .083 | .070 | -.530 | 86 | -.172 | .045 | -.031 | -.338 |
| 30 | -.212 | .067 | .003 | -.492 | 87 | -.091 | .034 | -.001 | -.257 |
| 31 | -.308 | .110 | .015 | -.736 | 88 | -.159 | .038 | -.041 | -.347 |
| 32 | -.346 | .133 | -.004 | -.976 | 89 | -.156 | .041 | -.046 | -.440 |
| 33 | -.298 | .143 | .108 | -1.160 | 90 | .014 | .035 | .103 | -.200 |
| 34 | -.175 | .125 | .279 | -.750 | 91 | -.170 | .051 | -.041 | -.404 |
| 35 | -.133 | .074 | .108 | -.516 | 92 | -.165 | .044 | -.057 | -.363 |
| 36 | .064 | .034 | .172 | -.089 | 93 | -.164 | .041 | -.055 | -.349 |
| 37 | -.236 | .080 | -.015 | -.667 | 94 | -.158 | .041 | -.028 | -.330 |
| 38 | -.241 | .087 | .020 | -.652 | 95 | -.150 | .041 | -.028 | -.366 |
| 39 | -.231 | .084 | .049 | -.562 | 96 | -.160 | .051 | .004 | -.449 |
| 40 | -.232 | .097 | .107 | -.633 | 97 | -.149 | .043 | -.029 | -.336 |
| 41 | -.243 | .113 | .110 | -.710 | 98 | -.146 | .042 | -.007 | -.362 |
| 42 | -.208 | .077 | .048 | -.488 | 99 | -.149 | .042 | -.006 | -.394 |
| 43 | -.213 | .070 | -.026 | -.890 | 100 | -.150 | .043 | .039 | -.343 |
| 44 | -.226 | .078 | -.015 | -.610 | 101 | -.147 | .045 | .006 | -.312 |
| 45 | -.216 | .076 | -.004 | -.613 | 102 | -.155 | .059 | .029 | -.424 |
| 46 | -.208 | .073 | .010 | -.540 | 103 | -.140 | .044 | -.017 | -.375 |
| 47 | -.202 | .073 | .015 | -.588 | 104 | -.141 | .043 | -.031 | -.365 |
| 48 | -.194 | .072 | .060 | -.475 | 105 | -.144 | .042 | -.032 | -.426 |
| 49 | -.216 | .065 | -.016 | -.537 | 106 | -.116 | .039 | .001 | -.311 |
| 50 | -.221 | .070 | -.009 | -.625 | 107 | -.139 | .045 | .038 | -.341 |
| 51 | -.223 | .064 | -.028 | -.488 | 108 | -.079 | .043 | .062 | -.291 |
| 52 | -.209 | .060 | -.023 | -.453 | 109 | -.194 | .076 | .012 | -.702 |
| 53 | -.195 | .055 | -.039 | -.494 | 110 | -.190 | .112 | .061 | -.799 |
| 54 | -.202 | .061 | -.041 | -.505 | 111 | -.196 | .142 | .096 | -1.078 |
| 55 | -.237 | .086 | -.023 | -.680 | 112 | -.173 | .109 | .084 | -.998 |
| 56 | -.226 | .083 | -.025 | -.858 | 113 | -.163 | .083 | .061 | -.553 |
| 57 | -.210 | .079 | .007 | -.715 | 114 | -.164 | .084 | .071 | -.612 |

WIND ENGINEERING STUDY OF FLUOR HEADQUARTERS BUILDING
IRVINE, CALIFORNIA

WIND DIRECTION= 60

| PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT | PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT |
|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|
| 115 | -.161 | .071 | .022 | -.681 | 172 | -.191 | .078 | .007 | -.677 |
| 116 | -.172 | .107 | .055 | -1.127 | 173 | -.176 | .070 | .032 | -.612 |
| 117 | -.177 | .111 | .049 | -.924 | 174 | -.169 | .068 | .026 | -.531 |
| 118 | -.160 | .092 | .051 | -.765 | 175 | -.208 | .101 | .058 | -.696 |
| 119 | -.148 | .072 | .080 | -.421 | 176 | -.192 | .085 | .039 | -.648 |
| 120 | -.153 | .071 | .068 | -.495 | 177 | -.179 | .082 | .039 | -.722 |
| 121 | -.163 | .049 | -.035 | -.519 | 178 | -.184 | .089 | .104 | -.866 |
| 122 | -.145 | .047 | -.032 | -.353 | 179 | -.179 | .090 | .033 | -.901 |
| 123 | -.160 | .056 | -.012 | -.407 | 180 | -.174 | .085 | .048 | -.778 |
| 124 | -.166 | .061 | -.006 | -.404 | 181 | .014 | .079 | .470 | -.286 |
| 125 | -.172 | .063 | -.009 | -.413 | 182 | .288 | .110 | .683 | -.010 |
| 126 | -.134 | .065 | .025 | -.373 | 183 | .157 | .102 | .639 | -.237 |
| 127 | -.152 | .045 | -.009 | -.450 | 184 | .329 | .125 | .774 | .017 |
| 128 | -.143 | .039 | -.003 | -.344 | 185 | .086 | .073 | .508 | -.165 |
| 129 | -.145 | .042 | -.028 | -.327 | 186 | .301 | .101 | .677 | .030 |
| 130 | -.149 | .050 | -.012 | -.367 | 187 | .054 | .064 | .364 | -.149 |
| 131 | -.169 | .058 | -.004 | -.362 | 188 | .294 | .106 | .736 | .035 |
| 132 | -.193 | .074 | -.007 | -.479 | 189 | .287 | .103 | .719 | .007 |
| 133 | -.145 | .044 | -.003 | -.334 | 190 | .247 | .101 | .645 | -.090 |
| 134 | -.133 | .037 | -.014 | -.270 | 191 | .195 | .104 | .577 | -.333 |
| 135 | -.137 | .041 | -.017 | -.288 | 192 | .169 | .093 | .528 | -.207 |
| 136 | -.150 | .050 | .009 | -.340 | 193 | .331 | .116 | .824 | .040 |
| 137 | -.158 | .060 | .013 | -.414 | 194 | .290 | .108 | .664 | -.081 |
| 138 | -.187 | .081 | .038 | -.541 | 195 | .237 | .100 | .636 | -.171 |
| 139 | -.132 | .049 | .072 | -.304 | 196 | .148 | .141 | .577 | -.552 |
| 140 | -.127 | .040 | .032 | -.295 | 197 | .291 | .097 | .716 | .056 |
| 141 | -.124 | .040 | .006 | -.286 | 198 | .280 | .098 | .713 | .039 |
| 142 | -.137 | .048 | .001 | -.328 | 199 | .232 | .090 | .635 | -.146 |
| 143 | -.153 | .057 | .007 | -.421 | 200 | .198 | .086 | .555 | -.200 |
| 144 | -.181 | .077 | -.014 | -.565 | 201 | .296 | .103 | .807 | .039 |
| 145 | -.164 | .077 | .048 | -.496 | 202 | .216 | .088 | .552 | -.094 |
| 146 | -.178 | .090 | .106 | -.675 | 203 | .212 | .078 | .609 | -.001 |
| 147 | -.198 | .086 | .124 | -.635 | 204 | .273 | .096 | .720 | .007 |
| 148 | -.220 | .082 | .042 | -.664 | 205 | .206 | .086 | .552 | -.036 |
| 149 | -.233 | .078 | -.003 | -.649 | 206 | .257 | .091 | .701 | .023 |
| 150 | -.272 | .098 | -.010 | -.707 | 207 | .268 | .098 | .732 | -.040 |
| 151 | -.172 | .080 | .062 | -.548 | 208 | .233 | .108 | .734 | -.013 |
| 152 | -.184 | .090 | .107 | -.603 | 209 | .260 | .097 | .626 | -.010 |
| 153 | -.186 | .093 | .110 | -.707 | 210 | .338 | .115 | .815 | .034 |
| 154 | -.192 | .097 | .121 | -.691 | 211 | .355 | .118 | .911 | .059 |
| 155 | -.230 | .094 | .054 | -.664 | 212 | .314 | .126 | .786 | .027 |
| 156 | -.303 | .113 | -.023 | -.733 | 213 | .248 | .081 | .704 | .047 |
| 157 | -.210 | .097 | .027 | -.655 | 214 | .279 | .083 | .642 | .066 |
| 158 | -.196 | .080 | .036 | -.560 | 215 | .268 | .084 | .778 | .061 |
| 159 | -.191 | .079 | -.016 | -.726 | 216 | .251 | .089 | .659 | -.016 |
| 160 | -.195 | .079 | -.009 | -.711 | 217 | .276 | .083 | .657 | .081 |
| 161 | -.183 | .073 | -.009 | -.587 | 218 | .309 | .091 | .710 | .103 |
| 162 | -.178 | .066 | -.035 | -.554 | 219 | .305 | .099 | .737 | .078 |
| 163 | -.208 | .093 | .056 | -.604 | 220 | .287 | .096 | .740 | .025 |
| 164 | -.200 | .077 | .078 | -.554 | 221 | .198 | .107 | .666 | -.056 |
| 165 | -.184 | .071 | .110 | -.529 | 222 | .235 | .109 | .718 | -.111 |
| 166 | -.181 | .074 | .104 | -.668 | 223 | .273 | .116 | .926 | -.103 |
| 167 | -.178 | .069 | .019 | -.492 | 224 | .305 | .125 | 1.085 | -.021 |
| 168 | -.175 | .066 | .016 | -.522 | 225 | .256 | .150 | .803 | -.236 |
| 169 | -.216 | .101 | .001 | -.774 | 226 | .294 | .126 | .834 | -.055 |
| 170 | -.203 | .084 | .032 | -.545 | 227 | .319 | .120 | 1.028 | .009 |
| 171 | -.193 | .074 | .001 | -.603 | 228 | .354 | .136 | 1.158 | .035 |

WIND ENGINEERING STUDY OF FLUOR HEADQUARTERS BUILDING
IRVINE, CALIFORNIA

WIND DIRECTION= 60

| PRFSSLRE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT | PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT |
|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|
| 229 | .247 | .094 | .611 | -.059 | 286 | -.281 | .109 | .151 | -.697 |
| 230 | .289 | .105 | .800 | -.041 | 287 | .274 | .205 | .894 | -.504 |
| 231 | .315 | .118 | .775 | .028 | 288 | .290 | .161 | .812 | -.117 |
| 232 | .322 | .120 | .796 | .040 | 289 | .251 | .143 | .716 | -.214 |
| 233 | .318 | .101 | .800 | .100 | 290 | .200 | .136 | .631 | -.201 |
| 234 | .343 | .111 | .861 | .097 | 291 | .118 | .102 | .451 | -.158 |
| 235 | .319 | .123 | .892 | .035 | 292 | -.209 | .129 | .288 | -.749 |
| 236 | .314 | .124 | .858 | .022 | 293 | .239 | .136 | .700 | -.215 |
| 237 | .280 | .110 | .673 | -.357 | 294 | .228 | .107 | .561 | -.111 |
| 238 | -.047 | .170 | .816 | -.611 | 295 | .230 | .115 | .583 | -.255 |
| 239 | .330 | .131 | .924 | -.016 | 296 | .219 | .131 | .609 | -.546 |
| 240 | .108 | .142 | .892 | -.447 | 298 | -.294 | .231 | .378 | -1.792 |
| 241 | .293 | .104 | .675 | .049 | 299 | -.226 | .084 | -.022 | -.653 |
| 242 | .015 | .083 | .495 | -.282 | 300 | -.059 | .065 | .170 | -.316 |
| 243 | .289 | .122 | 1.023 | .016 | 301 | -.081 | .056 | .124 | -.262 |
| 244 | .044 | .075 | .434 | -.170 | 302 | -.095 | .058 | .136 | -.297 |
| 245 | -.252 | .088 | .018 | -.643 | 303 | -.072 | .060 | .236 | -.316 |
| 246 | -.224 | .089 | .078 | -.612 | 304 | -.219 | .102 | .044 | -.874 |
| 247 | -.221 | .096 | .104 | -.553 | 305 | -.036 | .092 | .328 | -.328 |
| 248 | -.169 | .109 | .120 | -.568 | 306 | -.131 | .083 | .277 | -.411 |
| 249 | -.123 | .117 | .190 | -.583 | 307 | -.269 | .123 | .196 | -.827 |
| 250 | -.193 | .106 | .108 | -.689 | 308 | -.381 | .148 | .252 | -.963 |
| 251 | -.168 | .076 | .053 | -.483 | 309 | -.197 | .150 | .269 | -.733 |
| 252 | -.010 | .071 | .286 | -.268 | 310 | -.172 | .088 | .294 | -.514 |
| 253 | .051 | .072 | .284 | -.231 | 311 | -.160 | .058 | .042 | -.444 |
| 254 | .076 | .072 | .316 | -.211 | 312 | -.291 | .092 | -.016 | -.664 |
| 255 | .092 | .061 | .356 | -.363 | 313 | -.228 | .065 | -.006 | -.501 |
| 256 | -.105 | .156 | .381 | -.659 | 314 | -.148 | .055 | .026 | -.507 |
| 257 | -.220 | .106 | .097 | -.928 | 315 | -.132 | .050 | .010 | -.389 |
| 258 | -.129 | .183 | .391 | -.930 | 316 | -.229 | .066 | -.023 | -.443 |
| 259 | .062 | .112 | .411 | -.389 | 317 | -.239 | .070 | -.019 | -.495 |
| 260 | .123 | .118 | .482 | -.318 | 318 | -.158 | .057 | .066 | -.408 |
| 261 | .146 | .100 | .442 | -.429 | 319 | -.156 | .058 | .070 | -.402 |
| 262 | -.001 | .175 | .433 | -.716 | 320 | -.055 | .120 | .339 | -.485 |
| 263 | -.178 | .104 | .165 | -.610 | 321 | -.114 | .131 | .381 | -.497 |
| 264 | -.180 | .128 | .334 | -.646 | 322 | .075 | .251 | .903 | -.709 |
| 265 | -.130 | .136 | .338 | -.559 | 323 | -.043 | .210 | .554 | -.617 |
| 266 | -.142 | .153 | .403 | -.657 | 324 | .154 | .124 | .582 | -.365 |
| 267 | -.227 | .167 | .364 | -.910 | 325 | .139 | .139 | .545 | -.433 |
| 268 | -.147 | .164 | .381 | -.720 | 326 | -.019 | .084 | .334 | -.325 |
| 269 | .170 | .117 | .572 | -.291 | 327 | -.098 | .030 | .018 | -.233 |
| 270 | .321 | .142 | .842 | -.110 | 328 | -.262 | .057 | -.102 | -.520 |
| 271 | .357 | .145 | .793 | .012 | 329 | .257 | .095 | .758 | -.057 |
| 272 | .371 | .159 | .941 | -.041 | 330 | .270 | .091 | .676 | .035 |
| 273 | .311 | .097 | .624 | .078 | 331 | .141 | .076 | .429 | -.151 |
| 274 | .367 | .177 | .893 | -.265 | 332 | .156 | .069 | .520 | -.037 |
| 276 | .288 | .107 | .728 | -.053 | 333 | .045 | .068 | .338 | -.192 |
| 277 | .331 | .115 | .818 | -.076 | 334 | .092 | .077 | .427 | -.186 |
| 278 | .325 | .119 | .805 | -.072 | 335 | .012 | .056 | .242 | -.214 |
| 279 | .325 | .122 | .761 | .038 | 336 | .110 | .055 | .364 | -.079 |
| 280 | .322 | .140 | .839 | -.040 | 337 | .217 | .117 | .690 | -.227 |
| 281 | -.129 | .139 | .334 | -.777 | 338 | .230 | .031 | .484 | .019 |
| 282 | -.161 | .134 | .277 | -.726 | 339 | .153 | .096 | .595 | -.333 |
| 283 | -.155 | .119 | .302 | -.613 | 340 | .150 | .090 | .557 | -.323 |
| 284 | -.155 | .105 | .244 | -.550 | 341 | .147 | .081 | .463 | -.102 |
| 285 | -.119 | .097 | .296 | -.476 | 342 | .217 | .104 | .666 | -.157 |

WIND ENGINEERING STUDY OF FLUOR HEADQUARTERS BUILDING
IRVINE, CALIFORNIA

WIND DIRECTION= 75

| PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT | PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT |
|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|
| 1 | -.406 | .138 | -.094 | -.959 | 58 | -.197 | .063 | .012 | -.437 |
| 2 | -.240 | .094 | -.022 | -.744 | 59 | -.189 | .062 | -.007 | -.497 |
| 3 | -.277 | .055 | -.127 | -.460 | 60 | -.214 | .082 | -.009 | -.530 |
| 4 | -.243 | .088 | .040 | -.664 | 61 | -.203 | .073 | .009 | -.498 |
| 5 | -.207 | .095 | .130 | -.807 | 62 | -.196 | .063 | -.006 | -.423 |
| 6 | -.199 | .088 | .114 | -.545 | 63 | -.177 | .053 | -.022 | -.372 |
| 7 | -.437 | .137 | -.045 | -1.033 | 64 | -.183 | .052 | -.023 | -.371 |
| 8 | -.285 | .113 | .042 | -.924 | 65 | -.177 | .057 | -.023 | -.499 |
| 9 | -.239 | .116 | .097 | -.847 | 66 | -.210 | .084 | .069 | -.603 |
| 10 | -.234 | .115 | .122 | -.918 | 67 | -.159 | .006 | -.145 | -.179 |
| 11 | -.206 | .076 | .010 | -.599 | 68 | -.160 | .076 | .019 | -.593 |
| 12 | -.193 | .085 | .100 | -.602 | 69 | -.184 | .006 | -.166 | -.204 |
| 13 | -.246 | .092 | .022 | -.766 | 70 | -.151 | .055 | -.016 | -.375 |
| 14 | -.244 | .097 | 0.000 | -.672 | 71 | -.173 | .059 | .044 | -.429 |
| 15 | -.276 | .110 | .095 | -.836 | 72 | -.171 | .071 | .010 | -.492 |
| 16 | -.257 | .094 | .031 | -.649 | 73 | -.166 | .078 | .023 | -.683 |
| 17 | -.246 | .095 | .142 | -.589 | 74 | -.155 | .068 | .004 | -.549 |
| 18 | -.226 | .100 | .095 | -.627 | 75 | -.147 | .059 | 0.000 | -.608 |
| 19 | -.214 | .083 | .009 | -.811 | 76 | -.152 | .067 | .041 | -.603 |
| 20 | -.218 | .085 | -.003 | -.735 | 77 | -.178 | .100 | .134 | -.982 |
| 21 | -.240 | .102 | .037 | -.841 | 78 | -.180 | .097 | .054 | -.854 |
| 22 | -.240 | .093 | .029 | -.798 | 79 | -.162 | .063 | 0.000 | -.461 |
| 23 | -.229 | .079 | .163 | -.596 | 80 | -.126 | .049 | .001 | -.415 |
| 24 | -.248 | .093 | .091 | -.677 | 81 | -.131 | .044 | -.026 | -.390 |
| 25 | -.236 | .090 | -.001 | -.721 | 82 | -.136 | .048 | .032 | -.387 |
| 26 | -.228 | .091 | -.003 | -.693 | 83 | -.150 | .059 | .017 | -.560 |
| 27 | -.247 | .099 | -.003 | -.712 | 84 | -.188 | .081 | .031 | -.662 |
| 28 | -.227 | .092 | -.026 | -.738 | 85 | -.183 | .054 | .019 | -.386 |
| 29 | -.228 | .081 | .072 | -.557 | 86 | -.150 | .043 | .012 | -.285 |
| 30 | -.232 | .090 | .076 | -.658 | 87 | -.082 | .035 | .016 | -.258 |
| 31 | -.222 | .085 | .041 | -.602 | 88 | -.153 | .044 | -.007 | -.322 |
| 32 | -.240 | .091 | -.003 | -.609 | 89 | -.165 | .048 | -.007 | -.377 |
| 33 | -.247 | .106 | -.003 | -.817 | 90 | -.010 | .044 | .115 | -.162 |
| 34 | -.235 | .094 | .089 | -.831 | 91 | -.181 | .062 | -.010 | -.447 |
| 35 | -.208 | .084 | .023 | -.579 | 92 | -.153 | .049 | 0.000 | -.341 |
| 36 | .043 | .051 | .155 | -.275 | 93 | -.146 | .047 | .019 | -.349 |
| 37 | -.209 | .085 | .013 | -.645 | 94 | -.148 | .049 | -.012 | -.405 |
| 38 | -.196 | .085 | .116 | -.651 | 95 | -.159 | .050 | .016 | -.357 |
| 39 | -.210 | .099 | .090 | -.798 | 96 | -.193 | .065 | -.016 | -.426 |
| 40 | -.264 | .150 | .084 | -1.426 | 97 | -.176 | .060 | -.017 | -.424 |
| 41 | -.282 | .159 | .105 | -.981 | 98 | -.145 | .045 | -.007 | -.327 |
| 42 | -.198 | .088 | .032 | -.575 | 99 | -.132 | .044 | .057 | -.294 |
| 43 | -.192 | .077 | .042 | -.572 | 100 | -.135 | .043 | .012 | -.295 |
| 44 | -.181 | .084 | .093 | -.601 | 101 | -.147 | .046 | .036 | -.303 |
| 45 | -.209 | .102 | .082 | -.779 | 102 | -.180 | .061 | .016 | -.390 |
| 46 | -.270 | .162 | .096 | -1.252 | 103 | -.165 | .061 | .033 | -.393 |
| 47 | -.273 | .158 | .026 | -1.131 | 104 | -.140 | .049 | .025 | -.309 |
| 48 | -.192 | .085 | .031 | -.662 | 105 | -.137 | .046 | .020 | -.327 |
| 49 | -.209 | .079 | .017 | -.553 | 106 | -.112 | .045 | .019 | -.310 |
| 50 | -.192 | .068 | .036 | -.496 | 107 | -.143 | .045 | -.007 | -.338 |
| 51 | -.194 | .066 | .003 | -.451 | 108 | -.101 | .046 | .036 | -.298 |
| 52 | -.195 | .066 | 0.000 | -.447 | 109 | -.209 | .093 | .076 | -.681 |
| 53 | -.190 | .063 | -.022 | -.543 | 110 | -.306 | .182 | .185 | -1.330 |
| 54 | -.213 | .080 | .017 | -.572 | 111 | -.267 | .157 | .105 | -1.349 |
| 55 | -.218 | .078 | .040 | -.469 | 112 | -.220 | .109 | .093 | -.766 |
| 56 | -.198 | .067 | .076 | -.441 | 113 | -.210 | .091 | .080 | -.851 |
| 57 | -.188 | .063 | .067 | -.458 | 114 | -.223 | .092 | .015 | -.882 |

WIND ENGINEERING STUDY OF FLUOR HEADQUARTERS BUILDING
IRVINE, CALIFORNIA

WIND DIRECTION= 75

| PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT | PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT |
|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|
| 115 | -.212 | .110 | .083 | -.872 | 172 | -.307 | .142 | .115 | -1.098 |
| 116 | -.246 | .142 | .042 | -1.442 | 173 | -.286 | .127 | .059 | -1.085 |
| 117 | -.220 | .119 | .033 | -.898 | 174 | -.274 | .118 | -.020 | -.870 |
| 118 | -.187 | .085 | .049 | -.654 | 175 | -.255 | .136 | .136 | -.944 |
| 119 | -.169 | .079 | .084 | -.533 | 176 | -.243 | .114 | .228 | -.866 |
| 120 | -.177 | .077 | .048 | -.525 | 177 | -.246 | .111 | .086 | -.793 |
| 121 | -.212 | .092 | -.015 | -.643 | 178 | -.271 | .128 | .045 | -1.050 |
| 122 | -.185 | .072 | -.007 | -.496 | 179 | -.290 | .149 | .231 | -1.413 |
| 123 | -.204 | .074 | -.017 | -.498 | 180 | -.281 | .138 | .206 | -1.292 |
| 124 | -.196 | .075 | .026 | -.524 | 181 | -.010 | .114 | .505 | -.585 |
| 125 | -.196 | .077 | .063 | -.563 | 182 | .351 | .134 | .898 | -.022 |
| 126 | -.161 | .083 | .067 | -.523 | 183 | .173 | .117 | .647 | -.242 |
| 127 | -.233 | .095 | -.035 | -.623 | 184 | .379 | .132 | .873 | .048 |
| 128 | -.202 | .071 | -.026 | -.546 | 185 | .057 | .083 | .476 | -.239 |
| 129 | -.195 | .066 | -.004 | -.533 | 186 | .340 | .111 | .754 | .016 |
| 130 | -.194 | .072 | .041 | -.637 | 187 | .030 | .081 | .351 | -.238 |
| 131 | -.217 | .085 | .062 | -.627 | 188 | .354 | .130 | .924 | -.012 |
| 132 | -.250 | .108 | .077 | -.976 | 189 | .356 | .129 | .921 | -.013 |
| 133 | -.221 | .095 | -.025 | -.625 | 190 | .322 | .125 | .796 | -.119 |
| 134 | -.199 | .070 | -.019 | -.518 | 191 | .267 | .112 | .783 | -.097 |
| 135 | -.203 | .068 | -.029 | -.616 | 192 | .225 | .111 | .701 | -.138 |
| 136 | -.212 | .070 | -.020 | -.505 | 193 | .374 | .135 | .902 | .051 |
| 137 | -.214 | .079 | -.004 | -.551 | 194 | .340 | .123 | .740 | -.028 |
| 138 | -.245 | .102 | .046 | -.706 | 195 | .291 | .108 | .721 | -.135 |
| 139 | -.206 | .091 | .035 | -.689 | 196 | .216 | .145 | .695 | -.547 |
| 140 | -.193 | .069 | -.007 | -.513 | 197 | .328 | .104 | .766 | .038 |
| 141 | -.186 | .064 | .004 | -.493 | 198 | .321 | .103 | .764 | .006 |
| 142 | -.200 | .068 | .019 | -.422 | 199 | .294 | .103 | .830 | .015 |
| 143 | -.204 | .077 | .016 | -.643 | 200 | .252 | .099 | .801 | -.119 |
| 144 | -.227 | .099 | .022 | -.730 | 201 | .355 | .120 | .928 | .075 |
| 145 | -.201 | .081 | .052 | -.596 | 202 | .244 | .090 | .619 | -.078 |
| 146 | -.215 | .086 | .064 | -.682 | 203 | .253 | .096 | .718 | -.148 |
| 147 | -.256 | .088 | .015 | -.730 | 204 | .330 | .106 | .779 | .084 |
| 148 | -.307 | .093 | -.054 | -.863 | 205 | .283 | .108 | .782 | -.032 |
| 149 | -.314 | .095 | -.057 | -.734 | 206 | .333 | .105 | .801 | .054 |
| 150 | -.452 | .155 | -.093 | -1.072 | 207 | .337 | .107 | .727 | .077 |
| 151 | -.199 | .086 | .177 | -.719 | 208 | .263 | .110 | .758 | -.010 |
| 152 | -.229 | .113 | .235 | -.862 | 209 | .332 | .101 | .735 | .085 |
| 153 | -.257 | .117 | .136 | -.892 | 210 | .393 | .131 | .842 | .100 |
| 154 | -.285 | .120 | .093 | -.792 | 211 | .387 | .127 | .884 | .098 |
| 155 | -.344 | .132 | -.007 | -.969 | 212 | .320 | .131 | .824 | -.006 |
| 156 | -.538 | .174 | -.112 | -1.671 | 213 | .279 | .083 | .560 | .045 |
| 157 | -.252 | .115 | .149 | -.767 | 214 | .317 | .099 | .829 | .079 |
| 158 | -.267 | .120 | .141 | -.767 | 215 | .328 | .101 | .699 | .075 |
| 159 | -.316 | .139 | .145 | -1.271 | 216 | .301 | .106 | .731 | -.009 |
| 160 | -.349 | .151 | .042 | -1.020 | 217 | .336 | .106 | .839 | .038 |
| 161 | -.334 | .143 | .029 | -1.025 | 218 | .370 | .112 | .826 | .077 |
| 162 | -.321 | .134 | -.015 | -1.015 | 219 | .342 | .111 | .813 | .098 |
| 163 | -.279 | .128 | .083 | -.914 | 220 | .325 | .106 | .770 | .095 |
| 164 | -.276 | .111 | .120 | -.747 | 221 | .217 | .112 | .707 | -.153 |
| 165 | -.290 | .123 | .107 | -.870 | 222 | .259 | .119 | .707 | -.140 |
| 166 | -.307 | .136 | .122 | -.998 | 223 | .318 | .122 | .777 | -.029 |
| 167 | -.290 | .134 | -.004 | -.980 | 224 | .352 | .126 | .869 | -.003 |
| 168 | -.275 | .124 | .013 | -.962 | 225 | .238 | .143 | .738 | -.409 |
| 169 | -.265 | .130 | .100 | -.833 | 226 | .308 | .119 | .781 | -.092 |
| 170 | -.252 | .116 | .145 | -.709 | 227 | .347 | .121 | .804 | -.007 |
| 171 | -.288 | .129 | .083 | -.880 | 228 | .382 | .135 | .927 | .062 |

WIND ENGINEERING STUDY OF FLUOR HEADQUARTERS BUILDING
IRVINE, CALIFORNIA

WIND DIRECTION= 75

| PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT | PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT |
|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|
| 229 | .276 | .111 | .694 | -.048 | 286 | -.333 | .095 | -.041 | -.660 |
| 230 | .314 | .114 | .754 | .029 | 287 | .040 | .170 | .563 | -.557 |
| 231 | .334 | .118 | .758 | .051 | 288 | .171 | .103 | .509 | -.199 |
| 232 | .344 | .122 | .811 | .064 | 289 | .133 | .099 | .457 | -.135 |
| 233 | .350 | .103 | .707 | .126 | 290 | .086 | .096 | .427 | -.197 |
| 234 | .385 | .124 | .856 | .108 | 291 | .016 | .075 | .328 | -.265 |
| 235 | .340 | .118 | .794 | .040 | 292 | -.219 | .086 | .054 | -.700 |
| 236 | .331 | .119 | .751 | .025 | 293 | .184 | .135 | .646 | -.325 |
| 237 | .336 | .118 | .807 | -.022 | 294 | .236 | .107 | .577 | -.357 |
| 238 | -0.000 | .096 | .500 | -.280 | 295 | .223 | .126 | .600 | -.397 |
| 239 | .387 | .144 | .956 | -.003 | 296 | .153 | .180 | .572 | -.699 |
| 240 | .141 | .109 | .588 | -.234 | 298 | -.282 | .112 | .088 | -.818 |
| 241 | .339 | .120 | .767 | .016 | 299 | -.189 | .070 | .044 | -.527 |
| 242 | .078 | .080 | .461 | -.144 | 300 | -.096 | .067 | .154 | -.431 |
| 243 | .319 | .121 | .839 | -.003 | 301 | -.085 | .055 | .081 | -.313 |
| 244 | .097 | .080 | .424 | -.143 | 302 | -.099 | .057 | .128 | -.313 |
| 245 | -.348 | .108 | -.028 | -.772 | 303 | -.049 | .069 | .287 | -.257 |
| 246 | -.261 | .109 | .084 | -.790 | 304 | -.219 | .122 | .037 | -.913 |
| 247 | -.277 | .117 | .103 | -.727 | 305 | -.020 | .061 | .200 | -.268 |
| 248 | -.300 | .130 | .165 | -.850 | 306 | -.227 | .076 | .074 | -.534 |
| 249 | -.315 | .137 | .128 | -.930 | 307 | -.394 | .173 | .235 | -.911 |
| 250 | -.272 | .122 | .156 | -.918 | 308 | -.449 | .120 | -.116 | -.850 |
| 251 | -.239 | .106 | .053 | -.803 | 309 | -.259 | .136 | .247 | -.699 |
| 252 | .043 | .096 | .406 | -.238 | 310 | -.193 | .060 | .023 | -.464 |
| 253 | .103 | .105 | .528 | -.184 | 311 | -.164 | .052 | .045 | -.394 |
| 254 | .138 | .108 | .566 | -.197 | 312 | -.338 | .113 | -.033 | -.745 |
| 255 | .174 | .109 | .543 | -.250 | 313 | -.280 | .083 | -.007 | -.603 |
| 256 | .085 | .191 | .622 | -.634 | 314 | -.080 | .004 | -.066 | -.094 |
| 257 | -.322 | .195 | .232 | -1.281 | 315 | -.190 | .056 | -.010 | -.516 |
| 258 | -.074 | .265 | .582 | -1.397 | 316 | -.236 | .007 | -.214 | -.261 |
| 259 | .163 | .159 | .618 | -.525 | 317 | -.263 | .083 | .042 | -.539 |
| 260 | .228 | .132 | .665 | -.425 | 318 | -.131 | .005 | -.110 | -.149 |
| 261 | .236 | .109 | .588 | -.266 | 319 | -.332 | .095 | .034 | -.637 |
| 262 | .165 | .154 | .646 | -.388 | 320 | .149 | .007 | .174 | .126 |
| 263 | -.294 | .124 | .127 | -.762 | 321 | .091 | .149 | .608 | -.557 |
| 264 | -.366 | .142 | .132 | -.878 | 322 | -.192 | .017 | -.138 | -.252 |
| 265 | -.288 | .130 | .260 | -.703 | 323 | -.121 | .005 | -.105 | -.138 |
| 266 | -.264 | .126 | .294 | -.713 | 324 | .115 | .019 | .152 | .042 |
| 267 | -.315 | .125 | .159 | -.746 | 325 | .088 | .130 | .476 | -.505 |
| 268 | -.297 | .136 | .228 | -.841 | 326 | .005 | .074 | .340 | -.228 |
| 269 | .300 | .160 | .822 | -.122 | 327 | -.099 | .035 | .049 | -.281 |
| 270 | .384 | .163 | .953 | -.044 | 328 | -.286 | .061 | -.050 | -.500 |
| 271 | .345 | .154 | .846 | -.026 | 329 | .293 | .107 | .822 | .013 |
| 272 | .393 | .155 | .875 | -.010 | 330 | .315 | .100 | .827 | .038 |
| 273 | .319 | .100 | .665 | .076 | 331 | .160 | .095 | .490 | -.210 |
| 274 | .290 | .158 | .906 | -.099 | 332 | .179 | .084 | .563 | -.079 |
| 276 | .384 | .125 | .775 | .013 | 333 | .031 | .074 | .303 | -.307 |
| 277 | .390 | .121 | .805 | .074 | 334 | .099 | .091 | .597 | -.193 |
| 278 | .383 | .122 | .847 | .054 | 335 | -.032 | .050 | .140 | -.284 |
| 279 | .381 | .116 | .794 | .053 | 336 | .131 | .061 | .485 | -.087 |
| 280 | .338 | .126 | .775 | -.062 | 337 | .256 | .107 | .784 | -.034 |
| 281 | -.254 | .111 | .115 | -.696 | 338 | .238 | .029 | .406 | .117 |
| 282 | -.235 | .111 | .163 | -.687 | 339 | .239 | .092 | .620 | -.105 |
| 283 | -.267 | .105 | .082 | -.659 | 340 | .215 | .090 | .616 | -.075 |
| 284 | -.270 | .097 | .106 | -.635 | 341 | .227 | .093 | .573 | -.064 |
| 285 | -.222 | .084 | .081 | -.540 | 342 | .245 | .108 | .676 | -.100 |

WIND ENGINEERING STUDY OF FLUOR HEADQUARTERS BUILDING
IRVINE, CALIFORNIA

WIND DIRECTION= 90

| PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT | PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT |
|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|
| 1 | -.255 | .079 | -.052 | -.612 | 58 | -.158 | .038 | -.033 | -.328 |
| 2 | -.250 | .080 | -.004 | -.571 | 59 | -.165 | .040 | -.026 | -.343 |
| 3 | -.217 | .068 | .033 | -.575 | 60 | -.179 | .050 | -.026 | -.366 |
| 4 | -.202 | .087 | .064 | -.734 | 61 | -.182 | .019 | -.122 | -.270 |
| 5 | -.196 | .100 | .100 | -.719 | 62 | -.169 | .045 | -.026 | -.343 |
| 6 | -.184 | .089 | .065 | -.574 | 63 | -.147 | .037 | -.039 | -.317 |
| 7 | -.270 | .090 | -.051 | -.709 | 64 | -.153 | .037 | -.007 | -.307 |
| 8 | -.216 | .089 | .038 | -.660 | 65 | -.152 | .038 | -.033 | -.323 |
| 9 | -.186 | .081 | .036 | -.593 | 66 | -.179 | .051 | -.022 | -.410 |
| 10 | -.184 | .078 | .078 | -.694 | 67 | -.175 | .053 | -.031 | -.461 |
| 11 | -.180 | .048 | -.049 | -.389 | 68 | -.158 | .044 | -.041 | -.362 |
| 12 | -.186 | .080 | .036 | -.523 | 69 | -.146 | .039 | -.032 | -.305 |
| 13 | -.160 | .045 | -.016 | -.423 | 70 | -.132 | .036 | .026 | -.267 |
| 14 | -.168 | .049 | -.017 | -.447 | 71 | -.146 | .044 | .025 | -.295 |
| 15 | -.167 | .049 | -.033 | -.391 | 72 | -.147 | .053 | .023 | -.354 |
| 16 | -.168 | .047 | -.036 | -.410 | 73 | -.254 | .102 | -.047 | -.739 |
| 17 | -.184 | .057 | -.016 | -.511 | 74 | -.221 | .083 | -.034 | -.617 |
| 18 | -.198 | .074 | -.022 | -.604 | 75 | -.196 | .066 | -.012 | -.573 |
| 19 | -.158 | .048 | .006 | -.420 | 76 | -.257 | .117 | -.013 | -.862 |
| 20 | -.158 | .048 | -.004 | -.504 | 77 | -.260 | .112 | 0.000 | -.810 |
| 21 | -.173 | .050 | -.038 | -.684 | 78 | -.219 | .078 | .007 | -.576 |
| 22 | -.183 | .051 | -.039 | -.503 | 79 | -.219 | .088 | -.030 | -.675 |
| 23 | -.186 | .054 | -.039 | -.479 | 80 | -.178 | .065 | -.036 | -.591 |
| 24 | -.203 | .066 | -.041 | -.510 | 81 | -.179 | .053 | -.038 | -.434 |
| 25 | -.174 | .054 | -.029 | -.667 | 82 | -.203 | .070 | -.034 | -.586 |
| 26 | -.160 | .052 | -.023 | -.514 | 83 | -.213 | .066 | .024 | -.577 |
| 27 | -.171 | .053 | -.036 | -.488 | 84 | -.215 | .067 | .019 | -.499 |
| 28 | -.169 | .052 | -.032 | -.429 | 85 | -.215 | .067 | -.009 | -.466 |
| 29 | -.196 | .059 | -.045 | -.503 | 86 | -.194 | .051 | -.062 | -.431 |
| 30 | -.210 | .072 | -.044 | -.613 | 87 | -.117 | .038 | -.003 | -.264 |
| 31 | -.165 | .052 | .009 | -.395 | 88 | -.196 | .047 | -.056 | -.360 |
| 32 | -.175 | .052 | -.020 | -.415 | 89 | -.203 | .049 | -.068 | -.379 |
| 33 | -.167 | .053 | -.048 | -.490 | 90 | -.020 | .038 | .087 | -.151 |
| 34 | -.176 | .052 | -.039 | -.492 | 91 | -.199 | .066 | -.037 | -.477 |
| 35 | -.186 | .060 | -.051 | -.625 | 92 | -.187 | .050 | -.052 | -.444 |
| 36 | .052 | .037 | .137 | -.199 | 93 | -.192 | .048 | -.019 | -.345 |
| 37 | -.193 | .085 | .046 | -.715 | 94 | -.193 | .051 | -.053 | -.379 |
| 38 | -.190 | .093 | .077 | -.660 | 95 | -.209 | .050 | -.065 | -.394 |
| 39 | -.200 | .096 | .025 | -.931 | 96 | -.224 | .058 | -.065 | -.456 |
| 40 | -.205 | .123 | .118 | -1.032 | 97 | -.204 | .072 | -.006 | -.520 |
| 41 | -.202 | .096 | .068 | -.798 | 98 | -.187 | .054 | -.033 | -.382 |
| 42 | -.229 | .086 | -.009 | -.576 | 99 | -.198 | .050 | -.058 | -.407 |
| 43 | -.182 | .078 | .037 | -.520 | 100 | -.202 | .048 | -.067 | -.400 |
| 44 | -.175 | .083 | .120 | -.574 | 101 | -.203 | .049 | -.016 | -.417 |
| 45 | -.196 | .108 | .059 | -1.353 | 102 | -.209 | .057 | -.044 | -.494 |
| 46 | -.186 | .092 | .015 | -.908 | 103 | -.182 | .065 | .001 | -.518 |
| 47 | -.177 | .058 | -.046 | -.860 | 104 | -.181 | .056 | -.024 | -.462 |
| 48 | -.193 | .074 | -.027 | -.688 | 105 | -.184 | .050 | -.018 | -.357 |
| 49 | -.190 | .063 | .022 | -.542 | 106 | -.153 | .046 | -.034 | -.380 |
| 50 | -.177 | .053 | -.040 | -.444 | 107 | -.189 | .048 | -.061 | -.426 |
| 51 | -.173 | .047 | -.047 | -.383 | 108 | -.118 | .043 | .006 | -.339 |
| 52 | -.165 | .046 | -.004 | -.360 | 109 | -.242 | .076 | -.004 | -.555 |
| 53 | -.176 | .048 | .004 | -.474 | 110 | -.273 | .101 | -.018 | -.847 |
| 54 | -.193 | .053 | .043 | -.493 | 111 | -.258 | .100 | .010 | -.765 |
| 55 | -.183 | .060 | -.007 | -.511 | 112 | -.251 | .089 | .027 | -.697 |
| 56 | -.166 | .048 | -.007 | -.397 | 113 | -.257 | .085 | -.003 | -.616 |
| 57 | -.153 | .042 | -.013 | -.344 | 114 | -.244 | .071 | -.044 | -.677 |

WIND ENGINEERING STUDY OF FLUOR HEADQUARTERS BUILDING
IRVINE, CALIFORNIA

WIND DIRECTION= 90

| PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT | PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT |
|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|
| 115 | -.224 | .082 | .033 | -.608 | 172 | -.463 | .175 | .074 | -1.356 |
| 116 | -.235 | .078 | .010 | -.665 | 173 | -.466 | .145 | -.019 | -1.201 |
| 117 | -.235 | .073 | -.018 | -.591 | 174 | -.457 | .133 | -.051 | -1.201 |
| 118 | -.235 | .075 | -.022 | -.586 | 175 | -.246 | .113 | .077 | -1.122 |
| 119 | -.231 | .068 | -.028 | -.629 | 176 | -.222 | .129 | .142 | -.845 |
| 120 | -.224 | .062 | -.058 | -.629 | 177 | -.256 | .174 | .225 | -1.111 |
| 121 | -.237 | .068 | -.043 | -.497 | 178 | -.388 | .199 | .112 | -1.315 |
| 122 | -.221 | .060 | -.027 | -.496 | 179 | -.443 | .174 | .172 | -1.474 |
| 123 | -.233 | .060 | -.046 | -.631 | 180 | -.425 | .154 | -.039 | -1.216 |
| 124 | -.238 | .067 | -.030 | -.614 | 181 | -.007 | .155 | .590 | -.590 |
| 125 | -.236 | .065 | -.044 | -.626 | 182 | .362 | .129 | .879 | .007 |
| 126 | -.180 | .058 | -.036 | -.660 | 183 | .177 | .130 | .693 | -.534 |
| 127 | -.241 | .075 | -.056 | -.817 | 184 | .398 | .139 | .934 | .012 |
| 128 | -.233 | .067 | -.061 | -.614 | 185 | .057 | .111 | .572 | -.231 |
| 129 | -.229 | .073 | -.038 | -.613 | 186 | .354 | .120 | .776 | .054 |
| 130 | -.236 | .082 | -.034 | -.570 | 187 | .002 | .074 | .396 | -.223 |
| 131 | -.242 | .085 | -.009 | -.629 | 188 | .365 | .123 | .883 | .045 |
| 132 | -.258 | .088 | -.029 | -.655 | 189 | .388 | .125 | .899 | .066 |
| 133 | -.211 | .063 | -.015 | -.483 | 190 | .374 | .123 | .828 | .026 |
| 134 | -.213 | .064 | -.018 | -.502 | 191 | .353 | .117 | .803 | .069 |
| 135 | -.242 | .071 | -.009 | -.565 | 192 | .338 | .132 | .844 | -.093 |
| 136 | -.258 | .078 | -.041 | -.591 | 193 | .394 | .121 | .917 | .089 |
| 137 | -.264 | .082 | -.045 | -.645 | 194 | .375 | .114 | .884 | .085 |
| 138 | -.299 | .098 | -.053 | -.896 | 195 | .354 | .111 | .768 | .066 |
| 139 | -.190 | .058 | -.026 | -.431 | 196 | .331 | .124 | .746 | -.093 |
| 140 | -.194 | .058 | -.039 | -.413 | 197 | .352 | .108 | .728 | .028 |
| 141 | -.201 | .063 | -.028 | -.433 | 198 | .354 | .108 | .736 | .042 |
| 142 | -.217 | .074 | -.020 | -.631 | 199 | .329 | .107 | .686 | .070 |
| 143 | -.240 | .087 | .020 | -.791 | 200 | .291 | .101 | .660 | .042 |
| 144 | -.277 | .109 | .039 | -.833 | 201 | .378 | .126 | .933 | .050 |
| 145 | -.244 | .065 | -.041 | -.506 | 202 | .255 | .101 | .866 | -.064 |
| 146 | -.236 | .071 | -.015 | -.544 | 203 | .267 | .098 | .655 | -.074 |
| 147 | -.269 | .079 | -.045 | -.755 | 204 | .339 | .111 | .814 | .067 |
| 148 | -.315 | .088 | -.064 | -.839 | 205 | .343 | .134 | .833 | -.053 |
| 149 | -.290 | .086 | -.077 | -.677 | 206 | .347 | .115 | .760 | .053 |
| 150 | -.507 | .143 | -.153 | -1.111 | 207 | .304 | .101 | .686 | .088 |
| 151 | -.213 | .049 | -.088 | -.505 | 208 | .204 | .082 | .575 | -.018 |
| 152 | -.191 | .055 | -.010 | -.594 | 209 | .337 | .100 | .674 | .063 |
| 153 | -.203 | .071 | -.003 | -.706 | 210 | .345 | .117 | .813 | .069 |
| 154 | -.272 | .100 | .025 | -.811 | 211 | .349 | .113 | .805 | .050 |
| 155 | -.325 | .122 | -.035 | -.928 | 212 | .242 | .092 | .575 | -.026 |
| 156 | -.738 | .221 | -.190 | -2.036 | 213 | .311 | .057 | .461 | .161 |
| 157 | -.201 | .067 | .006 | -.563 | 214 | .323 | .101 | .685 | .053 |
| 158 | -.189 | .095 | .085 | -.765 | 215 | .287 | .090 | .602 | -.009 |
| 159 | -.251 | .150 | .105 | -.938 | 216 | .232 | .090 | .625 | -.040 |
| 160 | -.452 | .222 | .063 | -1.413 | 217 | .333 | .093 | .687 | .053 |
| 161 | -.651 | .209 | -.028 | -1.667 | 218 | .349 | .103 | .767 | .053 |
| 162 | -.664 | .189 | -.238 | -1.570 | 219 | .307 | .092 | .675 | .092 |
| 163 | -.258 | .112 | .047 | -.924 | 220 | .283 | .085 | .625 | .078 |
| 164 | -.274 | .145 | .150 | -1.026 | 221 | .164 | .071 | .473 | -.110 |
| 165 | -.354 | .183 | .054 | -1.159 | 222 | .171 | .090 | .583 | -.624 |
| 166 | -.482 | .192 | .118 | -1.159 | 223 | .217 | .104 | .693 | -.460 |
| 167 | -.566 | .151 | .001 | -1.248 | 224 | .249 | .084 | .548 | .050 |
| 168 | -.554 | .141 | -.166 | -1.302 | 225 | .137 | .015 | .185 | .091 |
| 169 | -.292 | .110 | .061 | -1.076 | 226 | .193 | .098 | .587 | -.176 |
| 170 | -.308 | .131 | .061 | -.807 | 227 | .228 | .118 | .656 | -.082 |
| 171 | -.359 | .164 | .060 | -.995 | 228 | .288 | .123 | .751 | -.022 |

WIND ENGINEERING STUDY OF FLUOR HEADQUARTERS BUILDING
IRVINE, CALIFORNIA

WIND DIRECTION= 90

| PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT | PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT |
|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|
| 229 | .173 | .092 | .457 | -.111 | 286 | -.273 | .074 | -.077 | -.599 |
| 230 | .200 | .103 | .530 | -.243 | 287 | -.230 | .135 | .247 | -.917 |
| 231 | .233 | .098 | .605 | -.146 | 288 | -.001 | .081 | .240 | -.450 |
| 232 | .261 | .097 | .628 | -.010 | 289 | .005 | .062 | .259 | -.179 |
| 233 | .304 | .080 | .556 | .122 | 290 | -.021 | .063 | .224 | -.256 |
| 234 | .363 | .111 | .785 | .107 | 291 | -.064 | .054 | .163 | -.304 |
| 235 | .250 | .103 | .753 | .019 | 292 | -.195 | .056 | -.001 | -.467 |
| 236 | .243 | .103 | .726 | .040 | 293 | -.065 | .138 | .310 | -.620 |
| 237 | .242 | .117 | .748 | -.075 | 294 | .053 | .114 | .380 | -.533 |
| 238 | .012 | .073 | .324 | -.262 | 295 | -.028 | .158 | .390 | -.762 |
| 239 | .294 | .152 | .971 | -.107 | 296 | -.104 | .140 | .417 | -.783 |
| 240 | .101 | .084 | .429 | -.145 | 298 | -.217 | .053 | -.041 | -.502 |
| 241 | .262 | .108 | .744 | -.018 | 299 | -.164 | .062 | .047 | -.427 |
| 242 | .073 | .072 | .351 | -.160 | 300 | -.174 | .078 | .089 | -.572 |
| 243 | .235 | .094 | .718 | -.023 | 301 | -.162 | .064 | .050 | -.436 |
| 244 | .076 | .059 | .349 | -.104 | 302 | -.125 | .066 | .117 | -.356 |
| 245 | -.347 | .084 | -.054 | -.700 | 303 | -.035 | .078 | .270 | -.267 |
| 246 | -.256 | .092 | .121 | -.700 | 304 | -.282 | .112 | -.020 | -.973 |
| 247 | -.287 | .104 | .104 | -.660 | 305 | -.116 | .061 | .079 | -.374 |
| 248 | -.370 | .128 | .044 | -.863 | 306 | -.356 | .093 | -.084 | -.664 |
| 249 | -.512 | .178 | .016 | -1.170 | 307 | -.508 | .177 | .070 | -1.095 |
| 250 | -.381 | .162 | .121 | -.999 | 308 | -.553 | .146 | -.011 | -1.015 |
| 251 | -.281 | .122 | .184 | -.747 | 309 | -.239 | .105 | .159 | -.690 |
| 252 | .087 | .111 | .453 | -.210 | 310 | -.190 | .069 | .077 | -.501 |
| 253 | .171 | .119 | .580 | -.184 | 311 | -.166 | .060 | .086 | -.471 |
| 254 | .213 | .126 | .652 | -.143 | 312 | -.331 | .115 | -.044 | -.893 |
| 255 | .246 | .127 | .684 | -.079 | 313 | -.284 | .089 | -.013 | -.662 |
| 256 | .274 | .167 | .859 | -.344 | 314 | -.226 | .079 | -.036 | -.615 |
| 257 | -.398 | .298 | .260 | -1.622 | 315 | -.201 | .066 | -.019 | -.562 |
| 258 | .123 | .199 | .547 | -1.402 | 316 | -.237 | .063 | -.029 | -.520 |
| 259 | .294 | .111 | .662 | -.111 | 317 | -.248 | .073 | -.017 | -.606 |
| 260 | .337 | .116 | .716 | -.014 | 318 | -.273 | .096 | .029 | -.767 |
| 261 | .334 | .117 | .733 | -.031 | 319 | -.277 | .088 | .007 | -.684 |
| 262 | .339 | .141 | .807 | -.221 | 320 | .122 | .136 | .588 | -.590 |
| 263 | -.376 | .158 | .350 | -1.110 | 321 | .059 | .187 | .597 | -.636 |
| 264 | -.502 | .186 | .417 | -1.180 | 322 | -.106 | .276 | .877 | -.978 |
| 265 | -.335 | .143 | .241 | -.850 | 323 | -.215 | .208 | .572 | -.889 |
| 266 | -.248 | .127 | .264 | -.756 | 324 | -.102 | .158 | .431 | -.578 |
| 267 | -.283 | .127 | .207 | -.763 | 325 | -.155 | .156 | .431 | -.567 |
| 268 | -.326 | .123 | .131 | -.866 | 326 | -.060 | .056 | .146 | -.294 |
| 269 | .356 | .165 | .852 | -.153 | 327 | -.153 | .033 | -.050 | -.309 |
| 270 | .349 | .157 | .842 | -.029 | 328 | -.348 | .075 | -.103 | -.622 |
| 271 | .328 | .148 | .846 | -.039 | 329 | .204 | .088 | .579 | -.066 |
| 272 | .314 | .142 | .809 | -.069 | 330 | .291 | .088 | .686 | .057 |
| 273 | .257 | .069 | .522 | .073 | 331 | .094 | .079 | .387 | -.313 |
| 274 | .102 | .113 | .527 | -.251 | 332 | .136 | .070 | .479 | -.106 |
| 276 | .363 | .119 | .813 | .034 | 333 | -.038 | .075 | .352 | -.440 |
| 277 | .353 | .113 | .784 | .097 | 334 | .074 | .084 | .379 | -.240 |
| 278 | .335 | .108 | .747 | .064 | 335 | -.073 | .049 | .107 | -.304 |
| 279 | .300 | .094 | .620 | .050 | 336 | .125 | .056 | .380 | -.146 |
| 280 | .200 | .105 | .640 | -.101 | 337 | .170 | .089 | .522 | -.250 |
| 281 | -.309 | .110 | .169 | -.865 | 338 | .205 | .025 | .311 | .096 |
| 282 | -.206 | .107 | .154 | -.683 | 339 | .169 | .088 | .520 | -.151 |
| 283 | -.272 | .102 | .044 | -.679 | 340 | .166 | .087 | .473 | -.212 |
| 284 | -.301 | .093 | .026 | -.639 | 341 | .284 | .105 | .670 | -.051 |
| 285 | -.263 | .078 | -.029 | -.596 | 342 | .166 | .097 | .592 | -.133 |

WIND ENGINEERING STUDY OF FLUOR HEADQUARTERS BUILDING
IRVINE, CALIFORNIA

WIND DIRECTION=105

| PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT | PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT |
|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|
| 1 | -.229 | .061 | -.065 | -.505 | 58 | -.213 | .040 | -.031 | -.359 |
| 2 | -.238 | .077 | -.025 | -.703 | 59 | -.225 | .039 | -.027 | -.380 |
| 3 | -.198 | .059 | .007 | -.558 | 60 | -.254 | .050 | -.074 | -.437 |
| 4 | -.200 | .079 | .022 | -.694 | 61 | -.180 | .039 | -.034 | -.394 |
| 5 | -.199 | .089 | .059 | -.749 | 62 | -.184 | .038 | -.046 | -.394 |
| 6 | -.205 | .083 | .040 | -.614 | 63 | -.179 | .039 | -.012 | -.344 |
| 7 | -.214 | .053 | -.071 | -.502 | 64 | -.196 | .042 | .015 | -.380 |
| 8 | -.196 | .052 | -.038 | -.484 | 65 | -.201 | .043 | -.032 | -.378 |
| 9 | -.188 | .057 | .046 | -.524 | 66 | -.243 | .059 | .010 | -.471 |
| 10 | -.186 | .056 | -.016 | -.541 | 67 | -.179 | .041 | -.043 | -.380 |
| 11 | -.182 | .059 | .025 | -.570 | 68 | -.178 | .036 | .016 | -.341 |
| 12 | -.196 | .068 | .024 | -.682 | 69 | -.181 | .039 | -.050 | -.352 |
| 13 | -.170 | .037 | -.050 | -.316 | 70 | -.177 | .039 | -.031 | -.363 |
| 14 | -.166 | .036 | -.056 | -.341 | 71 | -.201 | .046 | -.040 | -.411 |
| 15 | -.174 | .036 | -.052 | -.322 | 72 | -.207 | .055 | -.016 | -.443 |
| 16 | -.173 | .034 | -.062 | -.315 | 73 | -.256 | .062 | -.093 | -.580 |
| 17 | -.183 | .040 | -.062 | -.377 | 74 | -.340 | .129 | -.051 | -.990 |
| 18 | -.188 | .044 | -.065 | -.641 | 75 | -.367 | .147 | -.012 | -1.324 |
| 19 | -.159 | .037 | -.027 | -.328 | 76 | -.314 | .105 | -.039 | -.815 |
| 20 | -.156 | .035 | -.028 | -.306 | 77 | -.277 | .070 | -.054 | -.607 |
| 21 | -.178 | .032 | -.078 | -.297 | 78 | -.280 | .086 | -.055 | -.814 |
| 22 | -.185 | .033 | -.077 | -.304 | 79 | -.262 | .065 | -.055 | -.567 |
| 23 | -.183 | .035 | -.074 | -.344 | 80 | -.262 | .097 | -.082 | -.874 |
| 24 | -.198 | .040 | -.080 | -.377 | 81 | -.324 | .121 | -.105 | -1.002 |
| 25 | -.169 | .036 | -.059 | -.315 | 82 | -.288 | .090 | -.042 | -.764 |
| 26 | -.157 | .034 | -.049 | -.288 | 83 | -.263 | .070 | -.003 | -.645 |
| 27 | -.166 | .035 | -.056 | -.383 | 84 | -.266 | .071 | 0.000 | -.589 |
| 28 | -.157 | .036 | -.059 | -.300 | 85 | -.296 | .065 | -.112 | -.654 |
| 29 | -.184 | .046 | -.061 | -.354 | 86 | -.272 | .053 | -.120 | -.485 |
| 30 | -.198 | .055 | -.058 | -.427 | 87 | -.187 | .045 | -.039 | -.338 |
| 31 | -.165 | .044 | -.016 | -.335 | 88 | -.271 | .053 | -.097 | -.440 |
| 32 | -.177 | .041 | -.053 | -.340 | 89 | -.270 | .052 | -.073 | -.438 |
| 33 | -.178 | .039 | -.062 | -.362 | 90 | -.071 | .042 | .082 | -.271 |
| 34 | -.192 | .040 | -.089 | -.412 | 91 | -.291 | .073 | -.085 | -.615 |
| 35 | -.188 | .039 | -.064 | -.394 | 92 | -.271 | .058 | -.138 | -.530 |
| 36 | .051 | .025 | .126 | -.087 | 93 | -.265 | .050 | -.147 | -.453 |
| 37 | -.239 | .089 | -.009 | -.763 | 94 | -.264 | .053 | -.109 | -.455 |
| 38 | -.225 | .084 | .010 | -.830 | 95 | -.271 | .053 | -.129 | -.486 |
| 39 | -.221 | .044 | -.096 | -.501 | 96 | -.291 | .065 | -.111 | -.568 |
| 40 | -.242 | .069 | -.027 | -.621 | 97 | -.274 | .080 | -.090 | -.624 |
| 41 | -.265 | .064 | -.114 | -.664 | 98 | -.249 | .057 | -.085 | -.498 |
| 42 | -.254 | .055 | -.114 | -.536 | 99 | -.265 | .053 | -.111 | -.465 |
| 43 | -.209 | .068 | -.027 | -.591 | 100 | -.269 | .053 | -.112 | -.503 |
| 44 | -.202 | .071 | -.016 | -.609 | 101 | -.270 | .055 | -.091 | -.494 |
| 45 | -.208 | .060 | .013 | -.749 | 102 | -.286 | .066 | -.087 | -.549 |
| 46 | -.220 | .057 | -.007 | -.625 | 103 | -.261 | .075 | -.096 | -.627 |
| 47 | -.233 | .049 | -.054 | -.565 | 104 | -.254 | .064 | -.087 | -.586 |
| 48 | -.235 | .049 | -.087 | -.476 | 105 | -.247 | .054 | -.111 | -.500 |
| 49 | -.199 | .041 | -.087 | -.423 | 106 | -.210 | .051 | -.057 | -.458 |
| 50 | -.200 | .039 | -.066 | -.374 | 107 | -.243 | .051 | -.102 | -.471 |
| 51 | -.208 | .037 | -.100 | -.362 | 108 | -.167 | .046 | -.051 | -.369 |
| 52 | -.216 | .041 | -.100 | -.396 | 109 | -.296 | .083 | -.036 | -.687 |
| 53 | -.231 | .044 | .006 | -.414 | 110 | -.315 | .092 | -.052 | -.685 |
| 54 | -.262 | .053 | -.081 | -.443 | 111 | -.332 | .094 | -.021 | -.758 |
| 55 | -.196 | .041 | -.077 | -.424 | 112 | -.337 | .083 | -.078 | -.699 |
| 56 | -.195 | .039 | -.064 | -.344 | 113 | -.328 | .076 | -.108 | -.742 |
| 57 | -.195 | .037 | -.068 | -.316 | 114 | -.304 | .066 | -.124 | -.606 |

WIND ENGINEERING STUDY OF FLUOR HEADQUARTERS BUILDING
IRVINE, CALIFORNIA

WIND DIRECTION=105

| PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT | PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT |
|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|
| 115 | -.271 | .081 | .016 | -.957 | 172 | -.179 | .193 | .174 | -.971 |
| 116 | -.298 | .082 | .003 | -.766 | 173 | -.277 | .194 | .230 | -.978 |
| 117 | -.324 | .089 | -.004 | -.793 | 174 | -.327 | .150 | .371 | -1.034 |
| 118 | -.319 | .086 | -.033 | -.697 | 175 | -.225 | .067 | -.034 | -.602 |
| 119 | -.300 | .064 | -.136 | -.675 | 176 | -.113 | .064 | .094 | -.601 |
| 120 | -.296 | .061 | -.153 | -.631 | 177 | -.062 | .100 | .209 | -.555 |
| 121 | -.318 | .079 | -.079 | -.743 | 178 | -.103 | .183 | .361 | -.963 |
| 122 | -.295 | .065 | -.064 | -.576 | 179 | -.282 | .207 | .330 | -1.346 |
| 123 | -.306 | .076 | -.037 | -.715 | 180 | -.281 | .173 | .192 | -1.204 |
| 124 | -.307 | .073 | -.084 | -.658 | 181 | .201 | .193 | .816 | -.427 |
| 125 | -.298 | .063 | -.115 | -.667 | 182 | .421 | .111 | .854 | .046 |
| 126 | -.227 | .053 | -.091 | -.558 | 183 | .312 | .132 | .745 | -.046 |
| 127 | -.326 | .086 | -.112 | -.769 | 184 | .423 | .110 | .778 | .149 |
| 128 | -.308 | .070 | -.051 | -.651 | 185 | .220 | .120 | .604 | -.134 |
| 129 | -.305 | .072 | -.109 | -.739 | 186 | .394 | .100 | .763 | .138 |
| 130 | -.301 | .071 | -.106 | -.910 | 187 | .138 | .093 | .545 | -.161 |
| 131 | -.311 | .071 | -.137 | -.638 | 188 | .417 | .112 | .913 | .144 |
| 132 | -.309 | .071 | -.147 | -.731 | 189 | .435 | .112 | .840 | .152 |
| 133 | -.300 | .079 | -.068 | -.725 | 190 | .431 | .107 | .847 | .181 |
| 134 | -.305 | .076 | -.096 | -.753 | 191 | .393 | .104 | .891 | .113 |
| 135 | -.329 | .082 | -.091 | -.776 | 192 | .337 | .119 | .935 | -.029 |
| 136 | -.341 | .081 | -.112 | -.732 | 193 | .423 | .114 | .897 | .155 |
| 137 | -.330 | .078 | -.115 | -.706 | 194 | .422 | .112 | .879 | .166 |
| 138 | -.334 | .085 | -.138 | -.703 | 195 | .414 | .113 | .778 | .172 |
| 139 | -.255 | .066 | -.052 | -.660 | 196 | .364 | .112 | .826 | .012 |
| 140 | -.272 | .067 | -.094 | -.694 | 197 | .394 | .105 | .785 | .166 |
| 141 | -.289 | .070 | -.110 | -.729 | 198 | .404 | .106 | .798 | .178 |
| 142 | -.307 | .077 | -.091 | -.800 | 199 | .373 | .103 | .765 | .109 |
| 143 | -.322 | .092 | -.059 | -.927 | 200 | .304 | .098 | .670 | .082 |
| 144 | -.342 | .107 | -.057 | -1.093 | 201 | .422 | .123 | .983 | .127 |
| 145 | -.335 | .067 | -.084 | -.638 | 202 | .322 | .107 | .877 | -.054 |
| 146 | -.342 | .083 | -.094 | -.644 | 203 | .313 | .104 | .714 | -.049 |
| 147 | -.374 | .094 | -.087 | -.751 | 204 | .339 | .095 | .762 | .102 |
| 148 | -.392 | .112 | -.060 | -.838 | 205 | .252 | .137 | .706 | -.292 |
| 149 | -.333 | .127 | -.027 | -.797 | 206 | .285 | .094 | .713 | .003 |
| 150 | -.444 | .125 | -.062 | -1.013 | 207 | .236 | .081 | .576 | .035 |
| 151 | -.224 | .051 | -.094 | -.477 | 208 | .132 | .069 | .432 | -.064 |
| 152 | -.119 | .052 | .085 | -.323 | 209 | .267 | .099 | .537 | -.097 |
| 153 | -.079 | .060 | .149 | -.595 | 210 | .291 | .088 | .641 | .006 |
| 154 | -.076 | .077 | .187 | -.600 | 211 | .231 | .082 | .596 | .057 |
| 155 | -.098 | .099 | .209 | -.594 | 212 | .119 | .070 | .363 | -.074 |
| 156 | -.432 | .235 | .202 | -1.526 | 213 | .222 | .095 | .522 | -.117 |
| 157 | -.225 | .051 | -.060 | -.426 | 214 | .256 | .080 | .610 | -.023 |
| 158 | -.100 | .051 | .075 | -.318 | 215 | .228 | .075 | .581 | .022 |
| 159 | -.043 | .067 | .194 | -.538 | 216 | .118 | .077 | .442 | -.133 |
| 160 | -.064 | .156 | .264 | -.930 | 217 | .278 | .099 | .651 | -.045 |
| 161 | -.281 | .289 | .345 | -1.307 | 218 | .309 | .086 | .631 | .119 |
| 162 | -.434 | .246 | .432 | -1.376 | 219 | .256 | .073 | .595 | .077 |
| 163 | -.236 | .066 | -.041 | -.720 | 220 | .220 | .071 | .587 | .061 |
| 164 | -.127 | .072 | .091 | -.600 | 221 | .082 | .059 | .274 | -.075 |
| 165 | -.087 | .121 | .150 | -.890 | 222 | .072 | .067 | .345 | -.146 |
| 166 | -.143 | .223 | .211 | -1.002 | 223 | .089 | .081 | .522 | -.191 |
| 167 | -.314 | .246 | .339 | -1.046 | 224 | .101 | .089 | .632 | -.162 |
| 168 | -.383 | .173 | .321 | -1.069 | 225 | .060 | .070 | .307 | -.154 |
| 169 | -.271 | .078 | -.019 | -.604 | 226 | .048 | .084 | .367 | -.378 |
| 170 | -.154 | .080 | .046 | -.670 | 227 | .042 | .095 | .464 | -.249 |
| 171 | -.110 | .118 | .164 | -.720 | 228 | .133 | .094 | .535 | -.120 |

WIND ENGINEERING STUDY OF FLUOR HEADQUARTERS BUILDING
IRVINE, CALIFORNIA

WIND DIRECTION=105

| PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT | PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT |
|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|
| 229 | .007 | .084 | .271 | -.290 | 286 | -.243 | .062 | -.069 | -.508 |
| 230 | 0.000 | .117 | .347 | -.410 | 287 | -.387 | .097 | -.098 | -.777 |
| 231 | .090 | .081 | .441 | -.273 | 288 | -.208 | .110 | .064 | -.693 |
| 232 | .176 | .083 | .515 | -.078 | 289 | -.105 | .043 | .041 | -.303 |
| 233 | .211 | .069 | .476 | .049 | 290 | -.105 | .038 | .046 | -.259 |
| 234 | .335 | .101 | .789 | .120 | 291 | -.120 | .036 | .032 | -.287 |
| 235 | .182 | .072 | .465 | -.016 | 292 | -.200 | .040 | -.049 | -.376 |
| 236 | .171 | .071 | .470 | -.054 | 293 | -.360 | .174 | .093 | -.961 |
| 237 | .110 | .091 | .586 | -.123 | 294 | -.236 | .152 | .153 | -.928 |
| 238 | -.045 | .074 | .254 | -.274 | 295 | -.326 | .182 | .109 | -1.212 |
| 239 | .128 | .117 | .635 | -.261 | 296 | -.286 | .108 | .030 | -.901 |
| 240 | .072 | .083 | .489 | -.277 | 298 | -.209 | .042 | -.093 | -.391 |
| 241 | .233 | .113 | .796 | -.070 | 299 | -.141 | .059 | .048 | -.375 |
| 242 | .087 | .075 | .396 | -.203 | 300 | -.227 | .080 | .020 | -.598 |
| 243 | .159 | .077 | .608 | -.054 | 301 | -.139 | .085 | .101 | -.423 |
| 244 | .048 | .049 | .258 | -.097 | 302 | -.050 | .065 | .162 | -.317 |
| 245 | -.415 | .130 | .029 | -.932 | 303 | -.015 | .071 | .201 | -.307 |
| 246 | -.380 | .142 | .038 | -.980 | 304 | -.292 | .081 | -.064 | -.615 |
| 247 | -.358 | .126 | .048 | -.828 | 305 | -.202 | .057 | -.006 | -.504 |
| 248 | -.422 | .140 | .177 | -.960 | 306 | -.477 | .120 | .107 | -.979 |
| 249 | -.569 | .174 | .084 | -1.293 | 307 | -.634 | .129 | -.153 | -1.136 |
| 250 | -.480 | .165 | .111 | -1.164 | 308 | -.535 | .178 | .252 | -1.215 |
| 251 | -.018 | .130 | .379 | -.430 | 309 | -.232 | .085 | .132 | -.643 |
| 252 | .237 | .127 | .610 | -.101 | 310 | -.252 | .081 | .010 | -.607 |
| 253 | .287 | .135 | .814 | -.055 | 311 | -.216 | .074 | .019 | -.493 |
| 254 | .322 | .140 | .806 | -.020 | 312 | -.267 | .087 | -.052 | -.744 |
| 255 | .351 | .128 | .748 | .042 | 313 | -.251 | .076 | -.031 | -.616 |
| 256 | .380 | .154 | .853 | .006 | 314 | -.347 | .104 | -.092 | -.832 |
| 257 | -.043 | .278 | .589 | -1.367 | 315 | -.328 | .093 | -.083 | -.675 |
| 258 | .284 | .175 | .766 | -.751 | 316 | -.275 | .056 | -.093 | -.489 |
| 259 | .377 | .129 | .772 | -.142 | 317 | -.257 | .058 | -.089 | -.496 |
| 260 | .409 | .124 | .814 | .038 | 318 | -.231 | .181 | .321 | -.792 |
| 261 | .433 | .121 | .795 | -.100 | 319 | -.308 | .143 | .319 | -.678 |
| 262 | .432 | .129 | .844 | .038 | 320 | -.096 | .292 | .625 | -1.047 |
| 263 | -.445 | .158 | .169 | -1.320 | 321 | -.318 | .232 | .399 | -.936 |
| 264 | -.624 | .189 | .012 | -1.590 | 322 | .109 | .197 | .582 | -.897 |
| 265 | -.454 | .137 | .049 | -1.015 | 323 | .018 | .205 | .586 | -.834 |
| 266 | -.288 | .108 | .190 | -.747 | 324 | -.237 | .096 | .279 | -.685 |
| 267 | -.255 | .080 | .083 | -.624 | 325 | -.234 | .084 | .235 | -.561 |
| 268 | -.374 | .090 | -.098 | -.718 | 326 | -.123 | .051 | .085 | -.342 |
| 269 | .305 | .156 | .835 | -.277 | 327 | -.176 | .032 | -.064 | -.332 |
| 270 | .278 | .125 | .743 | -.061 | 328 | -.351 | .062 | -.180 | -.596 |
| 271 | .244 | .117 | .649 | -.111 | 329 | .083 | .083 | .424 | -.203 |
| 272 | .217 | .110 | .545 | -.122 | 330 | .302 | .078 | .631 | .067 |
| 273 | .188 | .049 | .363 | .016 | 331 | -.010 | .081 | .294 | -.420 |
| 274 | -.087 | .076 | .226 | -.347 | 332 | .119 | .061 | .437 | -.100 |
| 276 | .355 | .106 | .722 | -.032 | 333 | -.150 | .061 | .138 | -.371 |
| 277 | .320 | .096 | .721 | .001 | 334 | .126 | .089 | .447 | -.201 |
| 278 | .274 | .088 | .628 | -.055 | 335 | -.170 | .044 | -.041 | -.417 |
| 279 | .204 | .079 | .528 | -.090 | 336 | .157 | .047 | .375 | -.042 |
| 280 | .008 | .090 | .423 | -.342 | 337 | .065 | .081 | .412 | -.183 |
| 281 | -.418 | .096 | -.143 | -.831 | 338 | .173 | .025 | .258 | .081 |
| 282 | -.236 | .085 | -.016 | -.689 | 339 | .135 | .076 | .400 | -.193 |
| 283 | -.261 | .078 | -.072 | -.691 | 340 | .125 | .073 | .374 | -.177 |
| 284 | -.281 | .084 | -.014 | -.680 | 341 | .354 | .103 | .781 | -.074 |
| 285 | -.246 | .070 | -.043 | -.604 | 342 | .062 | .084 | .422 | -.255 |

WIND ENGINEERING STUDY OF FLUOR HEADQUARTERS BUILDING
IRVINE, CALIFORNIA WIND DIRECTION=120

| PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT | PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT |
|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|
| 1 | -.212 | .052 | -.058 | -.499 | 58 | -.232 | .035 | -.139 | -.372 |
| 2 | -.206 | .060 | -.035 | -.573 | 59 | -.237 | .040 | -.132 | -.383 |
| 3 | -.189 | .050 | -.027 | -.479 | 60 | -.255 | .052 | -.127 | -.457 |
| 4 | -.199 | .065 | -.023 | -.597 | 61 | -.192 | .037 | -.085 | -.351 |
| 5 | -.207 | .071 | .019 | -.657 | 62 | -.202 | .035 | -.064 | -.325 |
| 6 | -.239 | .073 | -.045 | -.629 | 63 | -.205 | .034 | -.085 | -.367 |
| 7 | -.207 | .050 | -.078 | -.509 | 64 | -.221 | .036 | -.116 | -.378 |
| 8 | -.195 | .047 | -.054 | -.383 | 65 | -.227 | .040 | -.127 | -.386 |
| 9 | -.182 | .045 | -.038 | -.395 | 66 | -.256 | .054 | -.143 | -.470 |
| 10 | -.180 | .044 | -.030 | -.463 | 67 | -.186 | .040 | -.048 | -.350 |
| 11 | -.180 | .039 | -.067 | -.425 | 68 | -.191 | .034 | -.068 | -.327 |
| 12 | -.211 | .054 | -.048 | -.612 | 69 | -.192 | .034 | -.061 | -.305 |
| 13 | -.175 | .033 | -.071 | -.328 | 70 | -.192 | .033 | -.067 | -.312 |
| 14 | -.184 | .033 | -.071 | -.308 | 71 | -.224 | .042 | -.074 | -.393 |
| 15 | -.174 | .029 | -.065 | -.333 | 72 | -.229 | .053 | -.085 | -.479 |
| 16 | -.173 | .027 | -.072 | -.315 | 73 | -.306 | .088 | -.077 | -.647 |
| 17 | -.187 | .031 | -.081 | -.376 | 74 | -.334 | .127 | -.035 | -1.134 |
| 18 | -.209 | .034 | -.108 | -.379 | 75 | -.285 | .084 | -.038 | -.729 |
| 19 | -.173 | .033 | -.065 | -.310 | 76 | -.281 | .077 | -.082 | -.613 |
| 20 | -.171 | .031 | -.069 | -.282 | 77 | -.304 | .085 | -.086 | -.694 |
| 21 | -.185 | .031 | -.097 | -.334 | 78 | -.336 | .098 | -.113 | -.770 |
| 22 | -.190 | .029 | -.094 | -.294 | 79 | -.278 | .085 | -.057 | -.711 |
| 23 | -.188 | .029 | -.085 | -.292 | 80 | -.270 | .097 | -.071 | -.849 |
| 24 | -.206 | .032 | -.108 | -.327 | 81 | -.258 | .067 | -.091 | -.569 |
| 25 | -.175 | .034 | -.071 | -.340 | 82 | -.257 | .063 | -.076 | -.591 |
| 26 | -.166 | .031 | -.077 | -.359 | 83 | -.271 | .072 | -.057 | -.682 |
| 27 | -.176 | .033 | -.077 | -.318 | 84 | -.299 | .082 | -.086 | -.821 |
| 28 | -.156 | .032 | -.064 | -.268 | 85 | -.279 | .069 | -.124 | -.584 |
| 29 | -.180 | .033 | -.075 | -.305 | 86 | -.263 | .057 | -.123 | -.484 |
| 30 | -.191 | .035 | -.062 | -.356 | 87 | -.173 | .044 | -.017 | -.411 |
| 31 | -.182 | .042 | -.016 | -.369 | 88 | -.256 | .060 | -.033 | -.579 |
| 32 | -.195 | .036 | -.074 | -.346 | 89 | -.262 | .062 | -.051 | -.644 |
| 33 | -.188 | .034 | -.080 | -.318 | 90 | -.070 | .047 | .064 | -.316 |
| 34 | -.198 | .033 | -.074 | -.328 | 91 | -.270 | .063 | -.127 | -.567 |
| 35 | -.187 | .033 | -.071 | -.305 | 92 | -.256 | .051 | -.119 | -.460 |
| 36 | .051 | .022 | .130 | -.054 | 93 | -.250 | .051 | -.110 | -.451 |
| 37 | -.303 | .085 | -.076 | -.694 | 94 | -.249 | .059 | -.068 | -.508 |
| 38 | -.256 | .070 | -.079 | -.623 | 95 | -.273 | .073 | -.047 | -.594 |
| 39 | -.230 | .049 | -.106 | -.522 | 96 | -.304 | .090 | -.023 | -.706 |
| 40 | -.262 | .081 | -.061 | -.706 | 97 | -.284 | .072 | -.139 | -.712 |
| 41 | -.258 | .067 | -.101 | -.830 | 98 | -.262 | .057 | -.113 | -.489 |
| 42 | -.268 | .077 | -.054 | -.874 | 99 | -.252 | .057 | -.101 | -.552 |
| 43 | -.258 | .068 | -.094 | -.591 | 100 | -.258 | .065 | -.051 | -.647 |
| 44 | -.229 | .058 | -.089 | -.554 | 101 | -.266 | .074 | -.067 | -.682 |
| 45 | -.221 | .044 | -.091 | -.458 | 102 | -.291 | .091 | -.051 | -.777 |
| 46 | -.229 | .039 | -.112 | -.420 | 103 | -.259 | .060 | -.106 | -.576 |
| 47 | -.228 | .040 | -.112 | -.466 | 104 | -.255 | .052 | -.116 | -.543 |
| 48 | -.236 | .055 | -.089 | -.501 | 105 | -.289 | .053 | -.098 | -.486 |
| 49 | -.224 | .041 | -.121 | -.402 | 106 | -.219 | .058 | -.053 | -.484 |
| 50 | -.224 | .036 | -.119 | -.369 | 107 | -.252 | .070 | -.047 | -.582 |
| 51 | -.229 | .035 | -.124 | -.361 | 108 | -.185 | .059 | 0.000 | -.461 |
| 52 | -.231 | .037 | -.129 | -.374 | 109 | -.319 | .080 | -.113 | -.706 |
| 53 | -.240 | .042 | -.129 | -.442 | 110 | -.283 | .076 | -.042 | -.690 |
| 54 | -.261 | .054 | -.133 | -.502 | 111 | -.346 | .093 | -.113 | -.846 |
| 55 | -.215 | .035 | -.120 | -.369 | 112 | -.475 | .125 | -.130 | -1.154 |
| 56 | -.217 | .031 | -.126 | -.346 | 113 | -.550 | .119 | -.206 | -1.066 |
| 57 | -.218 | .033 | -.113 | -.343 | 114 | -.670 | .166 | -.240 | -1.389 |

WIND ENGINEERING STUDY OF FLUOR HEADQUARTERS BUILDING
IRVINE, CALIFORNIA

WIND DIRECTION=120

| PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT | PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT |
|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|
| 115 | -.276 | .072 | -.038 | -.594 | 172 | .059 | .099 | .579 | -.428 |
| 116 | -.285 | .073 | -.027 | -.617 | 173 | .049 | .171 | .573 | -.616 |
| 117 | -.341 | .082 | -.150 | -.826 | 174 | -.034 | .203 | .625 | -.684 |
| 118 | -.450 | .101 | -.204 | -1.022 | 175 | -.302 | .080 | -.084 | -.619 |
| 119 | -.648 | .164 | -.268 | -1.228 | 176 | -.082 | .056 | .164 | -.259 |
| 120 | -.742 | .246 | -.263 | -1.690 | 177 | .055 | .067 | .400 | -.130 |
| 121 | -.306 | .088 | -.033 | -.758 | 178 | .139 | .097 | .576 | -.262 |
| 122 | -.346 | .101 | .005 | -.753 | 179 | .070 | .169 | .597 | -.644 |
| 123 | -.449 | .118 | .086 | -.911 | 180 | .023 | .152 | .533 | -.680 |
| 124 | -.570 | .115 | -.280 | -1.018 | 181 | .407 | .149 | .954 | -.347 |
| 125 | -.601 | .147 | -.256 | -1.162 | 182 | .437 | .117 | .876 | .075 |
| 126 | -.495 | .133 | -.185 | -1.009 | 183 | .382 | .121 | .810 | -.095 |
| 127 | -.325 | .120 | .054 | -1.018 | 184 | .410 | .105 | .782 | .140 |
| 128 | -.360 | .111 | .148 | -.800 | 185 | .320 | .109 | .725 | -.012 |
| 129 | -.449 | .116 | -.064 | -.938 | 186 | .391 | .101 | .743 | .132 |
| 130 | -.520 | .123 | -.195 | -1.121 | 187 | .278 | .099 | .649 | .043 |
| 131 | -.522 | .130 | -.222 | -1.336 | 188 | .424 | .115 | .918 | .180 |
| 132 | -.496 | .122 | -.216 | -1.136 | 189 | .475 | .124 | .949 | .143 |
| 133 | -.331 | .126 | -.019 | -.972 | 190 | .473 | .123 | .932 | .155 |
| 134 | -.364 | .121 | .003 | -.906 | 191 | .380 | .110 | .860 | .136 |
| 135 | -.456 | .131 | .013 | -1.021 | 192 | .222 | .119 | .754 | -.145 |
| 136 | -.530 | .129 | -.158 | -1.138 | 193 | .412 | .109 | .829 | .164 |
| 137 | -.517 | .124 | -.223 | -1.263 | 194 | .413 | .108 | .833 | .163 |
| 138 | -.497 | .119 | -.217 | -1.105 | 195 | .374 | .105 | .782 | .139 |
| 139 | -.281 | .105 | .046 | -1.045 | 196 | .224 | .120 | .683 | -.086 |
| 140 | -.307 | .114 | .090 | -1.014 | 197 | .392 | .103 | .779 | .171 |
| 141 | -.376 | .124 | .012 | -1.179 | 198 | .397 | .103 | .788 | .167 |
| 142 | -.481 | .127 | -.117 | -1.215 | 199 | .341 | .096 | .736 | .115 |
| 143 | -.519 | .143 | -.133 | -1.299 | 200 | .205 | .099 | .591 | -.059 |
| 144 | -.516 | .141 | -.151 | -1.223 | 201 | .424 | .119 | .943 | .140 |
| 145 | -.535 | .101 | -.253 | -.940 | 202 | .292 | .117 | .748 | -.104 |
| 146 | -.379 | .080 | -.111 | -.678 | 203 | .293 | .108 | .767 | -.109 |
| 147 | -.402 | .097 | -.092 | -.776 | 204 | .257 | .088 | .637 | .021 |
| 148 | -.462 | .117 | -.015 | -.867 | 205 | .021 | .173 | .511 | -.737 |
| 149 | -.454 | .127 | -.043 | -.913 | 206 | .169 | .091 | .480 | -.341 |
| 150 | -.469 | .119 | -.062 | -.921 | 207 | .124 | .067 | .384 | -.064 |
| 151 | -.389 | .106 | -.059 | -.822 | 208 | .025 | .055 | .195 | -.155 |
| 152 | -.081 | .080 | .263 | -.306 | 209 | -.008 | .121 | .253 | -.386 |
| 153 | .029 | .087 | .350 | -.254 | 210 | .160 | .088 | .483 | -.202 |
| 154 | .088 | .103 | .454 | -.402 | 211 | .111 | .071 | .419 | -.080 |
| 155 | .109 | .113 | .457 | -.253 | 212 | -.017 | .066 | .244 | -.203 |
| 156 | -.002 | .214 | .539 | -.916 | 213 | .027 | .131 | .395 | -.347 |
| 157 | -.370 | .091 | -.108 | -.683 | 214 | .155 | .083 | .460 | -.250 |
| 158 | -.081 | .069 | .276 | -.300 | 215 | .125 | .068 | .389 | -.053 |
| 159 | .057 | .079 | .397 | -.207 | 216 | -.015 | .066 | .236 | -.256 |
| 160 | .139 | .100 | .538 | -.390 | 217 | .154 | .099 | .498 | -.161 |
| 161 | .169 | .175 | .644 | -.696 | 218 | .210 | .083 | .517 | -.015 |
| 162 | .093 | .275 | .872 | -.935 | 219 | .179 | .068 | .470 | .023 |
| 163 | -.337 | .079 | -.109 | -.588 | 220 | .137 | .064 | .487 | -.003 |
| 164 | -.092 | .063 | .189 | -.332 | 221 | .009 | .056 | .236 | -.176 |
| 165 | .042 | .070 | .378 | -.262 | 222 | -.022 | .071 | .240 | -.619 |
| 166 | .123 | .096 | .522 | -.588 | 223 | -.030 | .060 | .190 | -.243 |
| 167 | .148 | .185 | .597 | -1.034 | 224 | -.024 | .064 | .233 | -.224 |
| 168 | .057 | .270 | .762 | -1.070 | 225 | -.082 | .067 | .148 | -.303 |
| 169 | -.323 | .079 | -.123 | -.609 | 226 | -.103 | .076 | .124 | -.566 |
| 170 | -.093 | .056 | .106 | -.284 | 227 | -.089 | .076 | .192 | -.420 |
| 171 | .003 | .062 | .440 | -.361 | 228 | .011 | .084 | .407 | -.244 |

WIND ENGINEERING STUDY OF FLUOR HEADQUARTERS BUILDING
IRVINE, CALIFORNIA

WIND DIRECTION=120

| PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT | PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT |
|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|
| 229 | -.141 | .098 | .117 | -.569 | 286 | -.217 | .047 | -.082 | -.493 |
| 230 | -.169 | .112 | .186 | -.762 | 287 | -.460 | .086 | -.230 | -.907 |
| 231 | -.035 | .094 | .256 | -.486 | 288 | -.370 | .091 | -.110 | -.688 |
| 232 | .113 | .098 | .536 | -.260 | 289 | -.172 | .046 | -.055 | -.425 |
| 233 | .126 | .067 | .388 | -.029 | 290 | -.132 | .036 | .014 | -.302 |
| 234 | .318 | .100 | .727 | .048 | 291 | -.145 | .038 | .006 | -.307 |
| 235 | .103 | .072 | .448 | -.098 | 292 | -.203 | .041 | -.072 | -.401 |
| 236 | .090 | .070 | .398 | -.138 | 293 | -.611 | .154 | -.194 | -1.244 |
| 237 | -.025 | .068 | .256 | -.236 | 294 | -.580 | .207 | -.036 | -1.611 |
| 238 | -.128 | .052 | .127 | -.285 | 295 | -.576 | .188 | -.017 | -1.485 |
| 239 | -.031 | .105 | .641 | -.342 | 296 | -.358 | .085 | -.126 | -.787 |
| 240 | .037 | .091 | .361 | -.278 | 298 | -.205 | .050 | -.043 | -.447 |
| 241 | .189 | .121 | .697 | -.173 | 299 | -.122 | .051 | .069 | -.375 |
| 242 | .076 | .068 | .348 | -.184 | 300 | -.147 | .050 | .026 | -.386 |
| 243 | .077 | .071 | .364 | -.193 | 301 | -.023 | .074 | .181 | -.364 |
| 244 | .002 | .048 | .186 | -.154 | 302 | -.031 | .077 | .187 | -.412 |
| 245 | -.465 | .138 | .033 | -1.020 | 303 | -.042 | .098 | .242 | -.330 |
| 246 | -.499 | .150 | .040 | -1.051 | 304 | -.352 | .119 | -.080 | -1.142 |
| 247 | -.461 | .119 | .093 | -.832 | 305 | -.276 | .084 | -.074 | -.590 |
| 248 | -.418 | .120 | .126 | -.923 | 306 | -.670 | .161 | -.143 | -1.181 |
| 249 | -.535 | .144 | .049 | -1.073 | 307 | -.609 | .116 | -.237 | -1.099 |
| 250 | -.512 | .143 | .043 | -.993 | 308 | -.454 | .203 | .276 | -1.070 |
| 251 | .212 | .152 | .710 | -.315 | 309 | -.118 | .065 | .030 | -.448 |
| 252 | .331 | .149 | .840 | -.087 | 310 | -.300 | .079 | -.069 | -.623 |
| 253 | .331 | .146 | .790 | -.049 | 311 | -.257 | .061 | -.043 | -.506 |
| 254 | .337 | .147 | .810 | -.051 | 312 | -.190 | .047 | -.057 | -.563 |
| 255 | .335 | .145 | .863 | -.074 | 313 | -.170 | .043 | -.033 | -.366 |
| 256 | .272 | .138 | .730 | -.150 | 314 | -.388 | .097 | -.146 | -.790 |
| 257 | .302 | .182 | .826 | -1.057 | 315 | -.410 | .104 | -.136 | -.783 |
| 258 | .408 | .136 | .797 | -.278 | 316 | -.317 | .069 | -.101 | -.722 |
| 259 | .425 | .120 | .798 | .055 | 317 | -.266 | .064 | -.088 | -.687 |
| 260 | .426 | .118 | .847 | .087 | 318 | .068 | .148 | .432 | -.648 |
| 261 | .392 | .117 | .800 | .085 | 319 | -.071 | .170 | .435 | -.664 |
| 262 | .333 | .127 | .795 | -.022 | 320 | -.351 | .260 | .657 | -1.146 |
| 263 | -.439 | .125 | .019 | -.976 | 321 | -.537 | .121 | .229 | -.950 |
| 264 | -.535 | .154 | -.029 | -1.271 | 322 | .160 | .117 | .522 | -.555 |
| 265 | -.460 | .123 | -.026 | -.921 | 323 | .131 | .154 | .542 | -.534 |
| 266 | -.315 | .098 | .046 | -.707 | 324 | -.253 | .072 | -.012 | -.605 |
| 267 | -.265 | .071 | -.010 | -.631 | 325 | -.196 | .052 | -.023 | -.447 |
| 268 | -.419 | .082 | -.201 | -.797 | 326 | -.138 | .043 | .022 | -.340 |
| 269 | .038 | .170 | .550 | -.693 | 327 | -.185 | .027 | -.088 | -.312 |
| 270 | .147 | .095 | .496 | -.153 | 328 | -.336 | .059 | -.159 | -.550 |
| 271 | .116 | .087 | .416 | -.100 | 329 | -.056 | .075 | .239 | -.346 |
| 272 | .089 | .080 | .386 | -.113 | 330 | .298 | .093 | .742 | .071 |
| 273 | .104 | .043 | .233 | -.043 | 331 | -.114 | .064 | .146 | -.431 |
| 274 | -.238 | .069 | .059 | -.552 | 332 | .109 | .062 | .441 | -.113 |
| 276 | .226 | .093 | .574 | -.289 | 333 | -.230 | .046 | -.033 | -.425 |
| 277 | .184 | .084 | .502 | -.127 | 334 | .110 | .077 | .409 | -.123 |
| 278 | .137 | .076 | .411 | -.142 | 335 | -.246 | .038 | -.137 | -.422 |
| 279 | .059 | .069 | .314 | -.194 | 336 | .143 | .043 | .318 | .006 |
| 280 | -.176 | .080 | .117 | -.474 | 337 | -.042 | .067 | .227 | -.331 |
| 281 | -.500 | .100 | -.256 | -.907 | 338 | .137 | .022 | .208 | .058 |
| 282 | -.363 | .096 | -.116 | -.797 | 339 | .035 | .066 | .226 | -.244 |
| 283 | -.280 | .072 | -.080 | -.641 | 340 | .035 | .066 | .297 | -.180 |
| 284 | -.223 | .068 | -.020 | -.623 | 341 | .268 | .112 | .661 | -.221 |
| 285 | -.191 | .051 | -.025 | -.531 | 342 | -.055 | .067 | .174 | -.357 |

WIND ENGINEERING STUDY OF FLUOR HEADQUARTERS BUILDING
IRVINE, CALIFORNIA

WIND DIRECTION=135

| PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT | PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT |
|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|
| 1 | -.216 | .066 | -.067 | -.688 | 58 | -.224 | .030 | -.130 | -.353 |
| 2 | -.200 | .068 | -.007 | -.798 | 59 | -.230 | .032 | -.127 | -.367 |
| 3 | -.175 | .054 | -.009 | -.502 | 60 | -.243 | .037 | -.121 | -.408 |
| 4 | -.195 | .063 | -.038 | -.494 | 61 | -.186 | .041 | -.069 | -.387 |
| 5 | -.215 | .064 | -.039 | -.558 | 62 | -.196 | .032 | -.061 | -.317 |
| 6 | -.251 | .057 | -.073 | -.570 | 63 | -.191 | .031 | -.089 | -.285 |
| 7 | -.212 | .059 | -.074 | -.538 | 64 | -.208 | .032 | -.104 | -.297 |
| 8 | -.195 | .058 | -.045 | -.557 | 65 | -.209 | .032 | -.114 | -.307 |
| 9 | -.174 | .045 | -.038 | -.451 | 66 | -.238 | .038 | -.121 | -.410 |
| 10 | -.175 | .041 | -.053 | -.440 | 67 | -.183 | .045 | -.050 | -.361 |
| 11 | -.179 | .027 | -.101 | -.340 | 68 | -.183 | .033 | -.088 | -.276 |
| 12 | -.215 | .040 | -.091 | -.409 | 69 | -.183 | .032 | -.076 | -.314 |
| 13 | -.169 | .032 | -.066 | -.301 | 70 | -.188 | .031 | -.092 | -.307 |
| 14 | -.168 | .029 | -.058 | -.292 | 71 | -.214 | .035 | -.093 | -.346 |
| 15 | -.170 | .029 | -.085 | -.273 | 72 | -.216 | .038 | -.077 | -.377 |
| 16 | -.172 | .024 | -.098 | -.261 | 73 | -.267 | .062 | -.102 | -.561 |
| 17 | -.194 | .028 | -.110 | -.313 | 74 | -.282 | .088 | -.044 | -.667 |
| 18 | -.206 | .031 | -.093 | -.333 | 75 | -.278 | .092 | -.018 | -.779 |
| 19 | -.155 | .031 | -.063 | -.276 | 76 | -.273 | .080 | -.033 | -.619 |
| 20 | -.153 | .028 | -.069 | -.248 | 77 | -.284 | .073 | -.074 | -.600 |
| 21 | -.169 | .028 | -.073 | -.280 | 78 | -.258 | .051 | -.111 | -.535 |
| 22 | -.178 | .026 | -.091 | -.278 | 79 | -.240 | .058 | -.088 | -.505 |
| 23 | -.181 | .024 | -.085 | -.259 | 80 | -.228 | .057 | -.065 | -.475 |
| 24 | -.205 | .028 | -.098 | -.342 | 81 | -.246 | .052 | -.086 | -.511 |
| 25 | -.163 | .040 | -.047 | -.463 | 82 | -.238 | .053 | -.042 | -.529 |
| 26 | -.160 | .042 | -.058 | -.391 | 83 | -.243 | .045 | -.120 | -.415 |
| 27 | -.154 | .033 | -.045 | -.278 | 84 | -.245 | .041 | -.133 | -.473 |
| 28 | -.132 | .025 | -.051 | -.242 | 85 | -.262 | .045 | -.118 | -.426 |
| 29 | -.159 | .029 | -.034 | -.289 | 86 | -.244 | .039 | -.118 | -.382 |
| 30 | -.172 | .032 | -.073 | -.305 | 87 | -.161 | .033 | -.070 | -.284 |
| 31 | -.176 | .065 | -.026 | -.678 | 88 | -.238 | .041 | -.123 | -.434 |
| 32 | -.187 | .046 | -.054 | -.530 | 89 | -.241 | .039 | -.132 | -.462 |
| 33 | -.178 | .040 | -.028 | -.336 | 90 | -.037 | .025 | .030 | -.179 |
| 34 | -.181 | .036 | -.041 | -.323 | 91 | -.259 | .045 | -.147 | -.482 |
| 35 | -.172 | .030 | -.073 | -.302 | 92 | -.248 | .039 | -.149 | -.441 |
| 36 | .052 | .018 | .118 | -.012 | 93 | -.242 | .036 | -.139 | -.403 |
| 37 | -.283 | .069 | -.115 | -.628 | 94 | -.232 | .042 | -.103 | -.467 |
| 38 | -.237 | .052 | -.108 | -.500 | 95 | -.231 | .042 | -.097 | -.472 |
| 39 | -.217 | .045 | -.077 | -.467 | 96 | -.236 | .044 | -.133 | -.538 |
| 40 | -.250 | .086 | -.058 | -.732 | 97 | -.264 | .048 | -.135 | -.559 |
| 41 | -.259 | .090 | -.080 | -.729 | 98 | -.240 | .041 | -.130 | -.417 |
| 42 | -.247 | .065 | -.071 | -.570 | 99 | -.241 | .041 | -.121 | -.440 |
| 43 | -.244 | .050 | -.094 | -.549 | 100 | -.242 | .044 | -.061 | -.470 |
| 44 | -.209 | .036 | -.096 | -.385 | 101 | -.247 | .045 | -.042 | -.453 |
| 45 | -.206 | .035 | -.086 | -.438 | 102 | -.242 | .050 | -.109 | -.596 |
| 46 | -.224 | .047 | -.108 | -.593 | 103 | -.241 | .045 | -.130 | -.455 |
| 47 | -.235 | .050 | -.100 | -.547 | 104 | -.233 | .040 | -.118 | -.391 |
| 48 | -.221 | .052 | -.064 | -.425 | 105 | -.236 | .043 | -.094 | -.425 |
| 49 | -.231 | .038 | -.126 | -.470 | 106 | -.200 | .041 | -.047 | -.368 |
| 50 | -.225 | .030 | -.146 | -.334 | 107 | -.237 | .044 | -.114 | -.485 |
| 51 | -.231 | .026 | -.156 | -.321 | 108 | -.165 | .039 | -.064 | -.359 |
| 52 | -.225 | .030 | -.138 | -.326 | 109 | -.281 | .047 | -.132 | -.472 |
| 53 | -.235 | .035 | -.149 | -.391 | 110 | -.250 | .066 | -.065 | -.508 |
| 54 | -.251 | .040 | -.139 | -.435 | 111 | -.298 | .081 | -.015 | -.681 |
| 55 | -.213 | .036 | -.114 | -.351 | 112 | -.349 | .095 | -.102 | -.838 |
| 56 | -.212 | .029 | -.118 | -.317 | 113 | -.356 | .086 | -.130 | -.811 |
| 57 | -.207 | .029 | -.123 | -.320 | 114 | -.645 | .164 | -.253 | -1.387 |

WIND ENGINEERING STUDY OF FLUOR HEADQUARTERS BUILDING
IRVINE, CALIFORNIA

WIND DIRECTION=135

| PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT | PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT |
|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|
| 115 | -.208 | .035 | -.074 | -.362 | 172 | .242 | .087 | .590 | .025 |
| 116 | -.169 | .032 | -.053 | -.296 | 173 | .294 | .092 | .740 | .053 |
| 117 | -.177 | .037 | -.036 | -.341 | 174 | .311 | .117 | .836 | -.308 |
| 118 | -.202 | .054 | -.032 | -.456 | 175 | -.211 | .073 | .075 | -.488 |
| 119 | -.379 | .143 | -.055 | -.975 | 176 | .048 | .071 | .376 | -.122 |
| 120 | -.404 | .220 | -.305 | -1.636 | 177 | .192 | .089 | .680 | .003 |
| 121 | -.223 | .032 | -.109 | -.382 | 178 | .282 | .103 | .824 | .072 |
| 122 | -.166 | .037 | -.035 | -.418 | 179 | .320 | .108 | .767 | -.205 |
| 123 | -.169 | .066 | .003 | -.678 | 180 | .281 | .103 | .733 | -.444 |
| 124 | -.286 | .160 | .011 | -1.034 | 181 | .224 | .189 | .796 | -.624 |
| 125 | -.556 | .186 | -.052 | -1.052 | 182 | .352 | .144 | .792 | -.547 |
| 126 | -.544 | .123 | -.235 | -1.007 | 183 | .244 | .122 | .653 | -.174 |
| 127 | -.210 | .037 | -.064 | -.475 | 184 | .306 | .126 | .662 | -.119 |
| 128 | -.177 | .048 | .017 | -.470 | 185 | .252 | .102 | .625 | -.168 |
| 129 | -.197 | .083 | -.045 | -.623 | 186 | .291 | .109 | .646 | -.081 |
| 130 | -.310 | .157 | -.033 | -.855 | 187 | .262 | .090 | .686 | -.134 |
| 131 | -.542 | .157 | -.029 | -1.057 | 188 | .302 | .110 | .832 | -.075 |
| 132 | -.592 | .122 | -.249 | -1.137 | 189 | .381 | .123 | .914 | -.031 |
| 133 | -.212 | .046 | -.052 | -.569 | 190 | .410 | .130 | .923 | .024 |
| 134 | -.188 | .062 | .018 | -.733 | 191 | .322 | .098 | .692 | .058 |
| 135 | -.213 | .101 | .040 | -.877 | 192 | .037 | .093 | .515 | -.252 |
| 136 | -.346 | .162 | -.044 | -1.112 | 193 | .347 | .115 | .808 | -.015 |
| 137 | -.523 | .151 | -.063 | -1.088 | 194 | .362 | .121 | .808 | -.041 |
| 138 | -.584 | .134 | -.229 | -1.230 | 195 | .304 | .087 | .658 | .032 |
| 139 | -.214 | .044 | -.086 | -.549 | 196 | .007 | .092 | .442 | -.277 |
| 140 | -.173 | .055 | -.003 | -.646 | 197 | .316 | .106 | .708 | .013 |
| 141 | -.171 | .094 | .066 | -.767 | 198 | .328 | .112 | .731 | -.058 |
| 142 | -.294 | .160 | .066 | -.973 | 199 | .243 | .085 | .646 | -.102 |
| 143 | -.497 | .150 | -.087 | -1.178 | 200 | .022 | .081 | .341 | -.248 |
| 144 | -.504 | .137 | -.170 | -1.184 | 201 | .334 | .111 | .830 | .040 |
| 145 | -.505 | .093 | -.220 | -.821 | 202 | .246 | .118 | .762 | -.146 |
| 146 | -.336 | .103 | .019 | -.712 | 203 | .245 | .114 | .721 | -.143 |
| 147 | -.353 | .117 | .112 | -.790 | 204 | .105 | .063 | .383 | -.173 |
| 148 | -.457 | .132 | -.004 | -.906 | 205 | -.351 | .184 | .407 | -1.063 |
| 149 | -.504 | .142 | .043 | -1.276 | 206 | -.051 | .107 | .385 | -.583 |
| 150 | -.434 | .145 | .069 | -1.159 | 207 | -.029 | .053 | .299 | -.239 |
| 151 | -.277 | .106 | .038 | -.639 | 208 | -.085 | .043 | .054 | -.219 |
| 152 | .085 | .098 | .428 | -.181 | 209 | -.379 | .175 | .146 | -1.072 |
| 153 | .201 | .106 | .546 | -.069 | 210 | -.051 | .094 | .237 | -.473 |
| 154 | .264 | .122 | .677 | -.065 | 211 | -.038 | .053 | .254 | -.245 |
| 155 | .267 | .124 | .677 | -.050 | 212 | -.137 | .045 | .060 | -.282 |
| 156 | .294 | .155 | .785 | -.267 | 213 | -.273 | .144 | .188 | -.895 |
| 157 | -.245 | .086 | .007 | -.621 | 214 | -.019 | .079 | .254 | -.376 |
| 158 | .057 | .087 | .462 | -.170 | 215 | -.006 | .052 | .191 | -.165 |
| 159 | .232 | .102 | .860 | -.084 | 216 | -.139 | .058 | .043 | -.332 |
| 160 | .320 | .114 | .993 | 0.000 | 217 | -.032 | .085 | .282 | -.347 |
| 161 | .388 | .127 | 1.139 | -.093 | 218 | .065 | .062 | .362 | -.132 |
| 162 | .421 | .153 | .920 | -.198 | 219 | .042 | .048 | .269 | -.088 |
| 163 | -.284 | .086 | .043 | -.622 | 220 | .015 | .042 | .244 | -.106 |
| 164 | .054 | .084 | .376 | -.193 | 221 | -.095 | .042 | .043 | -.272 |
| 165 | .207 | .096 | .560 | -.004 | 222 | -.132 | .050 | .043 | -.404 |
| 166 | .301 | .111 | .730 | .087 | 223 | -.123 | .045 | .025 | -.298 |
| 167 | .346 | .108 | .849 | -.165 | 224 | -.110 | .048 | .072 | -.294 |
| 168 | .365 | .130 | .839 | -.274 | 225 | -.179 | .044 | -.026 | -.409 |
| 169 | -.252 | .060 | -.071 | -.450 | 226 | -.189 | .048 | -.040 | -.432 |
| 170 | .039 | .073 | .357 | -.165 | 227 | -.185 | .051 | .038 | -.381 |
| 171 | .165 | .080 | .521 | -.040 | 228 | -.128 | .060 | .118 | -.334 |

WIND ENGINEERING STUDY OF FLUOR HEADQUARTERS BUILDING
IRVINE, CALIFORNIA

WIND DIRECTION=135

| PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT | PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT |
|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|
| 229 | -.309 | .099 | -.034 | -.687 | 286 | -.205 | .052 | -.044 | -.466 |
| 230 | -.327 | .089 | -.044 | -.704 | 287 | -.501 | .114 | -.246 | -1.326 |
| 231 | -.172 | .081 | .074 | -.578 | 288 | -.478 | .101 | -.199 | -.912 |
| 232 | -.036 | .082 | .425 | -.265 | 289 | -.238 | .074 | -.026 | -.582 |
| 233 | .005 | .035 | .157 | -.091 | 290 | -.141 | .045 | .063 | -.364 |
| 234 | .197 | .092 | .560 | -.075 | 291 | -.156 | .047 | .029 | -.355 |
| 235 | .005 | .061 | .276 | -.197 | 292 | -.208 | .050 | -.057 | -.452 |
| 236 | -.005 | .059 | .298 | -.212 | 293 | -.549 | .112 | -.250 | -1.170 |
| 237 | -.109 | .054 | .144 | -.297 | 294 | -.728 | .180 | -.272 | -1.518 |
| 238 | -.162 | .042 | .107 | -.379 | 295 | -.544 | .132 | -.167 | -1.276 |
| 239 | -.146 | .068 | .268 | -.407 | 296 | -.315 | .064 | -.143 | -.636 |
| 240 | -.021 | .093 | .373 | -.322 | 298 | -.186 | .050 | -.026 | -.409 |
| 241 | .098 | .117 | .623 | -.221 | 299 | -.176 | .070 | .042 | -.462 |
| 242 | .057 | .068 | .357 | -.151 | 300 | -.163 | .048 | .001 | -.342 |
| 243 | -.030 | .059 | .219 | -.240 | 301 | -.100 | .058 | .146 | -.317 |
| 244 | -.075 | .043 | .097 | -.244 | 302 | -.168 | .064 | .080 | -.447 |
| 245 | -.434 | .148 | .129 | -1.043 | 303 | -.190 | .072 | .089 | -.570 |
| 246 | -.496 | .155 | .089 | -1.102 | 304 | -.294 | .068 | -.105 | -.699 |
| 247 | -.421 | .128 | .013 | -.904 | 305 | -.377 | .099 | -.039 | -.722 |
| 248 | -.352 | .122 | .057 | -.766 | 306 | -.659 | .143 | -.124 | -1.255 |
| 249 | -.423 | .127 | .041 | -.955 | 307 | -.602 | .123 | -.154 | -1.035 |
| 250 | -.461 | .116 | -.051 | -.928 | 308 | -.432 | .154 | .177 | -1.026 |
| 251 | .376 | .150 | .822 | -.031 | 309 | -.064 | .036 | .058 | -.249 |
| 252 | .373 | .147 | .838 | -.031 | 310 | -.336 | .076 | -.140 | -.592 |
| 253 | .358 | .139 | .869 | -.015 | 311 | -.302 | .065 | -.115 | -.559 |
| 254 | .344 | .133 | .825 | 0.000 | 312 | -.198 | .045 | -.050 | -.428 |
| 255 | .299 | .124 | .709 | -.034 | 313 | -.173 | .042 | -.045 | -.368 |
| 256 | .098 | .112 | .484 | -.216 | 314 | -.250 | .063 | -.064 | -.529 |
| 257 | .412 | .130 | .876 | -.019 | 315 | -.263 | .079 | -.037 | -.647 |
| 258 | .396 | .119 | .852 | .110 | 316 | -.320 | .104 | .076 | -.746 |
| 259 | .373 | .112 | .807 | .089 | 317 | -.311 | .092 | .057 | -.757 |
| 260 | .346 | .111 | .766 | .082 | 318 | .089 | .200 | .540 | -.757 |
| 261 | .296 | .096 | .616 | 0.000 | 319 | -.126 | .221 | .459 | -.783 |
| 262 | .129 | .110 | .525 | -.208 | 320 | -.212 | .251 | .599 | -.989 |
| 263 | -.444 | .106 | -.073 | -.604 | 321 | -.455 | .151 | .140 | -.898 |
| 264 | -.377 | .130 | .025 | -.833 | 322 | -.061 | .171 | .574 | -.624 |
| 265 | -.426 | .115 | -.086 | -.942 | 323 | -.106 | .168 | .438 | -.631 |
| 266 | -.362 | .090 | -.045 | -.734 | 324 | -.266 | .080 | -.064 | -.657 |
| 267 | -.333 | .066 | -.108 | -.594 | 325 | -.209 | .053 | -.044 | -.456 |
| 268 | -.478 | .092 | -.231 | -.885 | 326 | -.120 | .034 | -.003 | -.244 |
| 269 | -.336 | .161 | .189 | -.914 | 327 | -.190 | .027 | -.101 | -.291 |
| 270 | -.028 | .083 | .206 | -.576 | 328 | -.298 | .059 | -.092 | -.547 |
| 271 | -.030 | .056 | .168 | -.249 | 329 | -.173 | .055 | .013 | -.352 |
| 272 | -.046 | .056 | .145 | -.232 | 330 | .240 | .099 | .670 | .007 |
| 273 | .029 | .033 | .162 | -.082 | 331 | -.193 | .044 | -.006 | -.450 |
| 274 | -.339 | .062 | -.189 | -.607 | 332 | .100 | .053 | .358 | -.104 |
| 276 | .043 | .069 | .363 | -.298 | 333 | -.271 | .043 | -.127 | -.437 |
| 277 | .007 | .077 | .221 | -.297 | 334 | .092 | .059 | .364 | -.097 |
| 278 | -.021 | .065 | .181 | -.285 | 335 | -.264 | .040 | -.170 | -.472 |
| 279 | -.086 | .055 | .089 | -.281 | 336 | .127 | .043 | .325 | .006 |
| 280 | -.283 | .057 | -.107 | -.519 | 337 | -.112 | .056 | .099 | -.308 |
| 281 | -.510 | .108 | -.232 | -1.060 | 338 | .099 | .019 | .164 | .034 |
| 282 | -.435 | .106 | -.129 | -.809 | 339 | -.066 | .047 | .101 | -.238 |
| 283 | -.269 | .056 | -.101 | -.513 | 340 | -.079 | .043 | .076 | -.247 |
| 284 | -.174 | .053 | -.029 | -.436 | 341 | .123 | .157 | .698 | -.543 |
| 285 | -.155 | .044 | 0.000 | -.360 | 342 | -.137 | .056 | .110 | -.343 |

WIND ENGINEERING STUDY OF FLUOR HEADQUARTERS BUILDING
IRVINE, CALIFORNIA

WIND DIRECTION=150

| PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT | PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT |
|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|
| 1 | -.194 | .065 | .016 | -.593 | 58 | -.212 | .032 | -.100 | -.336 |
| 2 | -.181 | .069 | .043 | -.713 | 59 | -.215 | .039 | -.089 | -.390 |
| 3 | -.168 | .017 | -.127 | -.224 | 60 | -.227 | .047 | -.085 | -.436 |
| 4 | -.175 | .044 | -.020 | -.423 | 61 | -.163 | .050 | -.036 | -.534 |
| 5 | -.182 | .044 | -.039 | -.416 | 62 | -.169 | .036 | -.013 | -.320 |
| 6 | -.184 | .039 | -.076 | -.362 | 63 | -.180 | .032 | -.069 | -.302 |
| 7 | -.162 | .053 | -.019 | -.418 | 64 | -.201 | .033 | -.097 | -.341 |
| 8 | -.157 | .049 | -.039 | -.563 | 65 | -.200 | .035 | -.084 | -.365 |
| 9 | -.153 | .038 | -.006 | -.348 | 66 | -.229 | .045 | -.095 | -.498 |
| 10 | -.163 | .033 | -.056 | -.325 | 67 | -.190 | .047 | -.020 | -.397 |
| 11 | -.167 | .025 | -.047 | -.267 | 68 | -.178 | .036 | -.046 | -.313 |
| 12 | -.188 | .029 | -.097 | -.332 | 69 | -.176 | .034 | -.056 | -.290 |
| 13 | -.166 | .034 | -.033 | -.299 | 70 | -.179 | .034 | -.082 | -.309 |
| 14 | -.158 | .031 | -.045 | -.297 | 71 | -.205 | .038 | -.091 | -.408 |
| 15 | -.164 | .029 | -.079 | -.293 | 72 | -.202 | .043 | -.076 | -.420 |
| 16 | -.166 | .026 | -.087 | -.266 | 73 | -.239 | .068 | -.042 | -.514 |
| 17 | -.185 | .028 | -.069 | -.299 | 74 | -.243 | .080 | 0.000 | -.626 |
| 18 | -.199 | .031 | -.097 | -.326 | 75 | -.245 | .077 | -.015 | -.636 |
| 19 | -.145 | .033 | -.040 | -.290 | 76 | -.248 | .068 | -.021 | -.535 |
| 20 | -.143 | .030 | -.053 | -.266 | 77 | -.250 | .057 | -.070 | -.583 |
| 21 | -.153 | .029 | -.062 | -.277 | 78 | -.227 | .044 | -.095 | -.414 |
| 22 | -.159 | .027 | -.069 | -.294 | 79 | -.224 | .062 | .021 | -.514 |
| 23 | -.156 | .026 | -.068 | -.255 | 80 | -.204 | .052 | -.030 | -.483 |
| 24 | -.175 | .032 | -.058 | -.289 | 81 | -.223 | .052 | -.053 | -.438 |
| 25 | -.141 | .042 | -.016 | -.426 | 82 | -.220 | .048 | -.039 | -.403 |
| 26 | -.139 | .040 | -.039 | -.365 | 83 | -.226 | .042 | -.097 | -.449 |
| 27 | -.126 | .030 | -.007 | -.241 | 84 | -.230 | .040 | -.097 | -.388 |
| 28 | -.113 | .031 | -.010 | -.222 | 85 | -.254 | .055 | -.091 | -.579 |
| 29 | -.132 | .030 | -.022 | -.238 | 86 | -.237 | .044 | -.102 | -.447 |
| 30 | -.143 | .036 | -.006 | -.276 | 87 | -.144 | .036 | -.036 | -.424 |
| 31 | -.154 | .051 | -.033 | -.713 | 88 | -.215 | .040 | -.083 | -.433 |
| 32 | -.148 | .036 | -.046 | -.294 | 89 | -.217 | .035 | -.102 | -.408 |
| 33 | -.136 | .035 | -.017 | -.270 | 90 | -.020 | .022 | .047 | -.127 |
| 34 | -.144 | .033 | -.020 | -.254 | 91 | -.247 | .059 | -.105 | -.544 |
| 35 | -.150 | .029 | -.051 | -.242 | 92 | -.241 | .045 | -.106 | -.433 |
| 36 | .058 | .018 | .137 | -.027 | 93 | -.228 | .042 | -.102 | -.436 |
| 37 | -.202 | .048 | -.050 | -.509 | 94 | -.208 | .040 | -.094 | -.430 |
| 38 | -.235 | .091 | -.035 | -.818 | 95 | -.209 | .035 | -.094 | -.377 |
| 39 | -.280 | .118 | -.014 | -.803 | 96 | -.208 | .034 | -.102 | -.344 |
| 40 | -.243 | .099 | .039 | -1.096 | 97 | -.271 | .069 | -.111 | -.923 |
| 41 | -.221 | .072 | 0.000 | -.621 | 98 | -.247 | .051 | -.102 | -.618 |
| 42 | -.228 | .070 | -.041 | -.562 | 99 | -.226 | .054 | -.044 | -.527 |
| 43 | -.210 | .041 | -.074 | -.430 | 100 | -.222 | .048 | -.091 | -.453 |
| 44 | -.212 | .077 | -.061 | -.938 | 101 | -.219 | .043 | -.108 | -.402 |
| 45 | -.236 | .087 | -.062 | -.802 | 102 | -.204 | .043 | -.076 | -.402 |
| 46 | -.224 | .059 | -.048 | -.591 | 103 | -.234 | .061 | -.021 | -.543 |
| 47 | -.217 | .048 | -.044 | -.408 | 104 | -.220 | .053 | -.003 | -.543 |
| 48 | -.208 | .051 | -.042 | -.458 | 105 | -.226 | .051 | -.061 | -.603 |
| 49 | -.220 | .036 | -.105 | -.418 | 106 | -.188 | .043 | -.061 | -.417 |
| 50 | -.218 | .030 | -.067 | -.347 | 107 | -.212 | .046 | -.097 | -.502 |
| 51 | -.228 | .032 | -.126 | -.344 | 108 | -.141 | .037 | -.042 | -.380 |
| 52 | -.219 | .034 | -.079 | -.349 | 109 | -.273 | .053 | -.109 | -.467 |
| 53 | -.230 | .039 | -.088 | -.527 | 110 | -.292 | .075 | -.042 | -.532 |
| 54 | -.235 | .044 | -.099 | -.405 | 111 | -.330 | .084 | -.032 | -.621 |
| 55 | -.202 | .042 | -.059 | -.404 | 112 | -.389 | .104 | -.055 | -.865 |
| 56 | -.200 | .031 | -.079 | -.317 | 113 | -.372 | .118 | -.050 | -.941 |
| 57 | -.197 | .030 | -.097 | -.302 | 114 | -.484 | .124 | -.168 | -1.023 |

WIND ENGINEERING STUDY OF FLUOR HEADQUARTERS BUILDING
IRVINE, CALIFORNIA

WIND DIRECTION=150

| PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT | PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT |
|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|
| 115 | -.159 | .037 | -.045 | -.946 | 172 | .358 | .105 | .800 | .129 |
| 116 | -.078 | .049 | .109 | -.862 | 173 | .358 | .104 | .821 | .107 |
| 117 | -.056 | .055 | .155 | -.824 | 174 | .259 | .110 | .780 | -.059 |
| 118 | -.038 | .061 | .192 | -.846 | 175 | .063 | .090 | .404 | -.239 |
| 119 | -.069 | .104 | .280 | -.652 | 176 | .242 | .087 | .558 | .023 |
| 120 | -.433 | .185 | .246 | -1.023 | 177 | .332 | .097 | .685 | .104 |
| 121 | -.183 | .032 | -.035 | -.333 | 178 | .373 | .106 | .793 | .138 |
| 122 | -.067 | .041 | .179 | -.236 | 179 | .361 | .102 | .809 | .132 |
| 123 | -.015 | .047 | .159 | -.212 | 180 | .203 | .088 | .533 | -.105 |
| 124 | .001 | .067 | .223 | -.455 | 181 | -.027 | .122 | .429 | -.733 |
| 125 | -.045 | .179 | .312 | -.815 | 182 | -.057 | .148 | .458 | -.524 |
| 126 | -.299 | .154 | .133 | -.799 | 183 | .008 | .132 | .413 | -.397 |
| 127 | -.154 | .032 | -.039 | -.338 | 184 | -.045 | .153 | .410 | -.492 |
| 128 | -.069 | .038 | .133 | -.241 | 185 | .015 | .130 | .417 | -.493 |
| 129 | -.024 | .048 | .224 | -.191 | 186 | -.018 | .146 | .435 | -.672 |
| 130 | .011 | .074 | .335 | -.414 | 187 | -.021 | .128 | .470 | -.612 |
| 131 | -.100 | .182 | .274 | -.855 | 188 | -.021 | .141 | .455 | -.585 |
| 132 | -.346 | .172 | .181 | -1.008 | 189 | .021 | .143 | .581 | -.455 |
| 133 | -.163 | .031 | -.067 | -.323 | 190 | .037 | .192 | .726 | -.625 |
| 134 | -.077 | .034 | .085 | -.263 | 191 | .209 | .158 | .765 | -.490 |
| 135 | -.031 | .045 | .139 | -.294 | 192 | -.101 | .078 | .227 | -.417 |
| 136 | -.016 | .075 | .230 | -.477 | 193 | .021 | .153 | .522 | -.408 |
| 137 | -.086 | .158 | .316 | -.644 | 194 | -.001 | .189 | .590 | -.524 |
| 138 | -.288 | .151 | .240 | -.884 | 195 | .103 | .152 | .699 | -.426 |
| 139 | -.168 | .032 | -.053 | -.296 | 196 | -.094 | .073 | .181 | -.376 |
| 140 | -.076 | .034 | .085 | -.225 | 197 | -.003 | .126 | .392 | -.442 |
| 141 | -.013 | .045 | .215 | -.250 | 198 | -.026 | .146 | .433 | -.521 |
| 142 | .005 | .082 | .277 | -.481 | 199 | .045 | .135 | .443 | -.413 |
| 143 | -.091 | .160 | .348 | -.727 | 200 | -.051 | .072 | .278 | -.345 |
| 144 | -.200 | .133 | .237 | -.783 | 201 | .050 | .140 | .539 | -.414 |
| 145 | -.485 | .116 | .107 | -1.023 | 202 | .126 | .145 | .653 | -.435 |
| 146 | -.459 | .135 | .101 | -1.149 | 203 | .144 | .138 | .661 | -.380 |
| 147 | -.424 | .137 | .086 | -1.017 | 204 | -.042 | .073 | .326 | -.277 |
| 148 | -.438 | .140 | .133 | -.942 | 205 | -.614 | .218 | -.105 | -1.395 |
| 149 | -.485 | .146 | .086 | -1.061 | 206 | -.197 | .079 | .009 | -.672 |
| 150 | -.444 | .153 | .091 | -1.065 | 207 | -.147 | .046 | .007 | -.328 |
| 151 | .026 | .116 | .416 | -.316 | 208 | -.147 | .034 | .006 | -.285 |
| 152 | .260 | .126 | .661 | -.056 | 209 | -.536 | .169 | -.076 | -1.175 |
| 153 | .322 | .125 | .723 | -.018 | 210 | -.164 | .058 | .007 | -.443 |
| 154 | .362 | .139 | .860 | -.022 | 211 | -.150 | .039 | -.035 | -.295 |
| 155 | .365 | .137 | .802 | .040 | 212 | -.205 | .035 | -.087 | -.329 |
| 156 | .356 | .143 | .831 | -.057 | 213 | -.354 | .148 | -.022 | -.928 |
| 157 | .023 | .118 | .481 | -.369 | 214 | -.123 | .044 | .041 | -.283 |
| 158 | .287 | .111 | .647 | .006 | 215 | -.120 | .038 | .057 | -.256 |
| 159 | .381 | .126 | .798 | .070 | 216 | -.216 | .045 | -.088 | -.411 |
| 160 | .426 | .134 | .925 | .116 | 217 | -.180 | .073 | .066 | -.474 |
| 161 | .444 | .136 | .912 | .139 | 218 | -.073 | .042 | .109 | -.211 |
| 162 | .357 | .127 | .774 | .003 | 219 | -.052 | .034 | .081 | -.239 |
| 163 | -.007 | .117 | .410 | -.367 | 220 | -.062 | .029 | .059 | -.162 |
| 164 | .254 | .105 | .682 | -.003 | 221 | -.148 | .032 | -.038 | -.261 |
| 165 | .351 | .111 | .834 | .092 | 222 | -.182 | .036 | -.068 | -.341 |
| 166 | .406 | .118 | .830 | .136 | 223 | -.176 | .037 | -.062 | -.323 |
| 167 | .400 | .122 | .896 | .130 | 224 | -.158 | .036 | -.023 | -.305 |
| 168 | .307 | .115 | .762 | .016 | 225 | -.228 | .036 | -.109 | -.392 |
| 169 | -.002 | .102 | .430 | -.304 | 226 | -.238 | .043 | -.088 | -.477 |
| 170 | .227 | .094 | .670 | .031 | 227 | -.219 | .041 | -.110 | -.402 |
| 171 | .320 | .103 | .748 | .085 | 228 | -.181 | .042 | .025 | -.364 |

WIND ENGINEERING STUDY OF FLUOR HEADQUARTERS BUILDING
IRVINE, CALIFORNIA

WIND DIRECTION=150

| PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT | PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT |
|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|
| 229 | -.319 | .080 | -.109 | -.705 | 286 | -.201 | .062 | -.019 | -.494 |
| 230 | -.324 | .080 | -.129 | -.771 | 287 | -.422 | .135 | -.124 | -1.034 |
| 231 | -.239 | .076 | .028 | -.633 | 288 | -.407 | .100 | -.143 | -.742 |
| 232 | -.151 | .057 | .144 | -.372 | 289 | -.286 | .061 | -.110 | -.590 |
| 233 | -.057 | .031 | .078 | -.173 | 290 | -.210 | .056 | -.041 | -.483 |
| 234 | .059 | .067 | .358 | -.116 | 291 | -.192 | .049 | -.020 | -.407 |
| 235 | -.093 | .042 | .097 | -.283 | 292 | -.189 | .053 | -.032 | -.432 |
| 236 | -.102 | .042 | .115 | -.288 | 293 | -.392 | .114 | -.114 | -1.006 |
| 237 | -.152 | .040 | -.021 | -.292 | 294 | -.407 | .132 | -.123 | -1.211 |
| 238 | -.185 | .039 | -.021 | -.380 | 295 | -.341 | .082 | -.129 | -.729 |
| 239 | -.192 | .046 | -.029 | -.408 | 296 | -.266 | .067 | -.093 | -.640 |
| 240 | -.101 | .071 | .260 | -.336 | 298 | -.193 | .059 | -.007 | -.489 |
| 241 | -.047 | .095 | .483 | -.288 | 299 | -.221 | .064 | -.009 | -.483 |
| 242 | .013 | .060 | .261 | -.197 | 300 | -.165 | .049 | -.007 | -.350 |
| 243 | -.119 | .045 | .044 | -.286 | 301 | -.129 | .059 | .050 | -.437 |
| 244 | -.134 | .039 | -.022 | -.295 | 302 | -.234 | .091 | .009 | -.571 |
| 245 | -.402 | .140 | .061 | -1.037 | 303 | -.261 | .076 | .007 | -.659 |
| 246 | -.479 | .148 | .023 | -1.196 | 304 | -.254 | .055 | -.080 | -.515 |
| 247 | -.402 | .123 | .126 | -.786 | 305 | -.412 | .137 | .118 | -.933 |
| 248 | -.261 | .103 | .118 | -.606 | 306 | -.634 | .131 | -.238 | -1.044 |
| 249 | -.271 | .098 | .054 | -.675 | 307 | -.622 | .143 | -.038 | -1.094 |
| 250 | -.426 | .094 | -.147 | -.775 | 308 | -.390 | .107 | -.054 | -.876 |
| 251 | .280 | .158 | .767 | -.353 | 309 | -.069 | .065 | .086 | -.421 |
| 252 | .284 | .126 | .708 | -.074 | 310 | -.250 | .072 | -.040 | -.553 |
| 253 | .239 | .117 | .770 | -.083 | 311 | -.239 | .067 | -.072 | -.485 |
| 254 | .223 | .110 | .607 | -.107 | 312 | -.220 | .061 | -.068 | -.596 |
| 255 | .154 | .094 | .457 | -.102 | 313 | -.187 | .048 | -.043 | -.393 |
| 256 | -.118 | .075 | .121 | -.348 | 314 | -.196 | .045 | -.033 | -.408 |
| 257 | .219 | .167 | .711 | -.372 | 315 | -.176 | .048 | -.010 | -.403 |
| 258 | .237 | .103 | .777 | -.133 | 316 | -.106 | .165 | .417 | -.674 |
| 259 | .191 | .098 | .746 | -.133 | 317 | -.167 | .150 | .391 | -.576 |
| 260 | .160 | .091 | .651 | -.102 | 318 | -.268 | .235 | .548 | -1.056 |
| 261 | .113 | .090 | .483 | -.126 | 319 | -.435 | .151 | .232 | -.864 |
| 262 | -.129 | .102 | .237 | -.445 | 320 | .115 | .167 | .632 | -.825 |
| 263 | -.527 | .124 | -.172 | -.959 | 321 | -.055 | .199 | .550 | -.729 |
| 264 | -.291 | .090 | -.028 | -.755 | 322 | -.275 | .084 | .186 | -.616 |
| 265 | -.308 | .085 | -.048 | -.704 | 323 | -.257 | .079 | .022 | -.589 |
| 266 | -.283 | .079 | -.085 | -.647 | 324 | -.323 | .094 | -.068 | -.719 |
| 267 | -.279 | .063 | -.121 | -.533 | 325 | -.276 | .073 | -.049 | -.561 |
| 268 | -.415 | .101 | -.153 | -.856 | 326 | -.136 | .041 | .042 | -.279 |
| 269 | -.537 | .116 | -.218 | -1.053 | 327 | -.180 | .035 | -.042 | -.331 |
| 270 | -.286 | .119 | .058 | -.688 | 328 | -.302 | .073 | -.069 | -.613 |
| 271 | -.156 | .043 | -.007 | -.337 | 329 | -.230 | .048 | -.018 | -.461 |
| 272 | -.145 | .034 | -.016 | -.261 | 330 | .138 | .086 | .584 | -.149 |
| 273 | -.025 | .025 | .061 | -.107 | 331 | -.228 | .039 | -.089 | -.367 |
| 274 | -.361 | .086 | -.140 | -.675 | 332 | .066 | .047 | .241 | -.085 |
| 276 | -.195 | .092 | .089 | -.647 | 333 | -.270 | .094 | .193 | -.568 |
| 277 | -.151 | .058 | .039 | -.406 | 334 | .036 | .085 | .256 | -.390 |
| 278 | -.141 | .043 | -.006 | -.387 | 335 | -.259 | .085 | .155 | -.520 |
| 279 | -.176 | .035 | -.067 | -.359 | 336 | .080 | .087 | .296 | -.381 |
| 280 | -.298 | .057 | -.110 | -.529 | 337 | -.144 | .046 | .117 | -.351 |
| 281 | -.396 | .145 | -.108 | -1.008 | 338 | .079 | .018 | .139 | .006 |
| 282 | -.384 | .116 | -.107 | -.951 | 339 | -.135 | .036 | -.025 | -.319 |
| 283 | -.298 | .042 | -.204 | -.447 | 340 | -.131 | .035 | -.019 | -.286 |
| 284 | -.229 | .076 | 0.000 | -.562 | 341 | -.091 | .173 | .289 | -.874 |
| 285 | -.198 | .065 | -.003 | -.553 | 342 | -.167 | .046 | .004 | -.398 |

WIND ENGINEERING STUDY OF FLUOR HEADQUARTERS BUILDING
IRVINE, CALIFORNIA

WIND DIRECTION=165

| PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT | PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT |
|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|
| 1 | -.236 | .074 | -.049 | -.574 | 58 | -.200 | .061 | -.009 | -.444 |
| 2 | -.206 | .067 | -.028 | -.538 | 59 | -.197 | .068 | .052 | -.428 |
| 3 | -.162 | .052 | -.025 | -.429 | 60 | -.223 | .087 | .062 | -.520 |
| 4 | -.167 | .052 | -.019 | -.486 | 61 | -.172 | .061 | -.030 | -.575 |
| 5 | -.184 | .054 | -.033 | -.465 | 62 | -.172 | .046 | -.022 | -.370 |
| 6 | -.184 | .051 | -.016 | -.470 | 63 | -.176 | .050 | -.020 | -.433 |
| 7 | -.217 | .067 | -.038 | -.617 | 64 | -.189 | .059 | -.007 | -.484 |
| 8 | -.192 | .064 | -.023 | -.484 | 65 | -.187 | .066 | .041 | -.461 |
| 9 | -.160 | .041 | -.055 | -.383 | 66 | -.216 | .087 | .051 | -.667 |
| 10 | -.158 | .035 | -.064 | -.367 | 67 | -.182 | .056 | -.062 | -.428 |
| 11 | -.159 | .037 | -.051 | -.317 | 68 | -.169 | .047 | -.045 | -.355 |
| 12 | -.174 | .045 | -.041 | -.404 | 69 | -.162 | .052 | -.023 | -.403 |
| 13 | -.144 | .038 | 0.000 | -.313 | 70 | -.154 | .057 | -.016 | -.448 |
| 14 | -.149 | .037 | .014 | -.304 | 71 | -.174 | .068 | .017 | -.525 |
| 15 | -.160 | .035 | -.074 | -.307 | 72 | -.169 | .072 | .017 | -.525 |
| 16 | -.162 | .036 | -.067 | -.315 | 73 | -.248 | .074 | -.024 | -.666 |
| 17 | -.176 | .040 | -.061 | -.332 | 74 | -.245 | .081 | -.005 | -.688 |
| 18 | -.192 | .049 | -.093 | -.449 | 75 | -.306 | .096 | -.021 | -.848 |
| 19 | -.150 | .039 | -.026 | -.333 | 76 | -.393 | .122 | -.053 | -1.088 |
| 20 | -.147 | .038 | -.028 | -.333 | 77 | -.435 | .130 | -.137 | -1.182 |
| 21 | -.160 | .038 | -.056 | -.315 | 78 | -.466 | .168 | -.150 | -1.191 |
| 22 | -.164 | .036 | -.067 | -.309 | 79 | -.227 | .073 | .135 | -.582 |
| 23 | -.159 | .036 | -.061 | -.309 | 80 | -.223 | .076 | .096 | -.653 |
| 24 | -.178 | .044 | -.058 | -.406 | 81 | -.304 | .081 | .044 | -.726 |
| 25 | -.127 | .046 | .001 | -.380 | 82 | -.394 | .099 | -.102 | -.723 |
| 26 | -.120 | .043 | -.009 | -.335 | 83 | -.484 | .172 | -.134 | -1.074 |
| 27 | -.107 | .030 | -.017 | -.232 | 84 | -.507 | .202 | -.119 | -1.514 |
| 28 | -.100 | .028 | -.017 | -.217 | 85 | -.251 | .101 | .068 | -.758 |
| 29 | -.124 | .033 | .003 | -.257 | 86 | -.273 | .099 | .091 | -.655 |
| 30 | -.141 | .041 | -.032 | -.307 | 87 | -.258 | .098 | .062 | -.758 |
| 31 | -.117 | .041 | -.003 | -.412 | 88 | -.416 | .135 | -.003 | -1.141 |
| 32 | -.099 | .034 | .020 | -.299 | 89 | -.424 | .136 | -.119 | -.866 |
| 33 | -.096 | .027 | .014 | -.216 | 90 | -.151 | .091 | .032 | -.488 |
| 34 | -.123 | .033 | -.020 | -.258 | 91 | -.274 | .138 | .176 | -.878 |
| 35 | -.133 | .034 | -.019 | -.371 | 92 | -.285 | .112 | .204 | -.772 |
| 36 | .064 | .021 | .116 | -.097 | 93 | -.356 | .119 | .053 | -.848 |
| 37 | -.201 | .060 | .009 | -.571 | 94 | -.391 | .132 | -.040 | -1.144 |
| 38 | -.258 | .117 | .073 | -.965 | 95 | -.388 | .125 | -.132 | -.824 |
| 39 | -.250 | .110 | .053 | -.790 | 96 | -.367 | .124 | -.091 | -.833 |
| 40 | -.215 | .088 | .035 | -.702 | 97 | -.276 | .130 | .056 | -.983 |
| 41 | -.234 | .091 | .050 | -.731 | 98 | -.278 | .108 | .078 | -.824 |
| 42 | -.263 | .092 | -.020 | -.909 | 99 | -.328 | .113 | .050 | -.812 |
| 43 | -.213 | .069 | -.023 | -.576 | 100 | -.375 | .119 | -.009 | -1.018 |
| 44 | -.248 | .118 | .008 | -.973 | 101 | -.380 | .118 | -.049 | -.889 |
| 45 | -.230 | .100 | -.023 | -.989 | 102 | -.356 | .115 | -.096 | -.824 |
| 46 | -.210 | .069 | -.018 | -.564 | 103 | -.197 | .098 | .112 | -.840 |
| 47 | -.217 | .063 | -.024 | -.536 | 104 | -.218 | .102 | .251 | -.747 |
| 48 | -.226 | .068 | -.040 | -.634 | 105 | -.294 | .113 | .081 | -.938 |
| 49 | -.208 | .059 | -.081 | -.512 | 106 | -.317 | .107 | .030 | -.812 |
| 50 | -.201 | .050 | -.081 | -.438 | 107 | -.366 | .134 | -.111 | -.938 |
| 51 | -.206 | .053 | -.074 | -.432 | 108 | -.260 | .109 | -.056 | -.723 |
| 52 | -.192 | .057 | -.023 | -.416 | 109 | -.415 | .114 | -.163 | -.895 |
| 53 | -.200 | .064 | .014 | -.457 | 110 | -.306 | .074 | -.093 | -.591 |
| 54 | -.222 | .077 | .064 | -.587 | 111 | -.354 | .088 | -.081 | -.695 |
| 55 | -.203 | .060 | -.062 | -.478 | 112 | -.464 | .113 | -.094 | -.891 |
| 56 | -.196 | .050 | -.049 | -.406 | 113 | -.500 | .132 | -.021 | -1.011 |
| 57 | -.191 | .053 | -.039 | -.399 | 114 | -.445 | .129 | .012 | -1.120 |

WIND ENGINEERING STUDY OF FLUOR HEADQUARTERS BUILDING
IRVINE, CALIFORNIA

WIND DIRECTION=165

| PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT | PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT |
|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|
| 115 | -.240 | .104 | .006 | -.699 | 172 | .315 | .093 | .713 | .126 |
| 116 | -.024 | .077 | .264 | -.239 | 173 | .242 | .090 | .662 | .023 |
| 117 | .039 | .084 | .336 | -.216 | 174 | -.003 | .111 | .408 | -.402 |
| 118 | .089 | .094 | .409 | -.166 | 175 | .249 | .097 | .627 | -.047 |
| 119 | .118 | .100 | .435 | -.225 | 176 | .343 | .096 | .762 | .133 |
| 120 | -.003 | .200 | .512 | -.807 | 177 | .373 | .100 | .759 | .167 |
| 121 | -.235 | .086 | .018 | -.611 | 178 | .358 | .099 | .721 | .140 |
| 122 | -.001 | .070 | .287 | -.237 | 179 | .261 | .104 | .756 | .035 |
| 123 | .095 | .077 | .392 | -.126 | 180 | -.052 | .097 | .329 | -.358 |
| 124 | .160 | .086 | .535 | -.120 | 181 | -.404 | .137 | -.022 | -.806 |
| 125 | .191 | .105 | .609 | -.435 | 182 | -.448 | .143 | -.080 | -.893 |
| 126 | .080 | .176 | .602 | -.541 | 183 | -.380 | .133 | 0.000 | -.770 |
| 127 | -.210 | .076 | -.002 | -.532 | 184 | -.438 | .141 | -.039 | -.833 |
| 128 | -.018 | .060 | .216 | -.176 | 185 | -.365 | .128 | .016 | -.751 |
| 129 | .080 | .068 | .371 | -.106 | 186 | -.412 | .141 | -.003 | -.879 |
| 130 | .167 | .084 | .520 | -.035 | 187 | -.420 | .155 | .096 | -1.026 |
| 131 | .188 | .101 | .582 | -.541 | 188 | -.439 | .161 | .104 | -.987 |
| 132 | .060 | .182 | .627 | -.639 | 189 | -.434 | .163 | .073 | -.940 |
| 133 | -.220 | .077 | -.031 | -.575 | 190 | -.469 | .182 | .218 | -1.047 |
| 134 | -.032 | .053 | .170 | -.259 | 191 | -.226 | .279 | .640 | -1.080 |
| 135 | .059 | .055 | .284 | -.110 | 192 | -.214 | .139 | .415 | -.950 |
| 136 | .122 | .064 | .365 | -.063 | 193 | -.377 | .146 | -.028 | -.909 |
| 137 | .160 | .080 | .420 | -.329 | 194 | -.445 | .162 | -.035 | -.978 |
| 138 | .050 | .151 | .475 | -.478 | 195 | -.384 | .206 | .330 | -1.023 |
| 139 | -.216 | .070 | -.007 | -.522 | 196 | -.212 | .143 | .174 | -.925 |
| 140 | -.033 | .050 | .187 | -.215 | 197 | -.385 | .132 | .031 | -.827 |
| 141 | .080 | .057 | .351 | -.089 | 198 | -.461 | .162 | .023 | -1.077 |
| 142 | .155 | .069 | .496 | -.041 | 199 | -.378 | .181 | .304 | -.940 |
| 143 | .181 | .098 | .539 | -.218 | 200 | -.190 | .168 | .262 | -.848 |
| 144 | .096 | .140 | .538 | -.361 | 201 | -.398 | .168 | .067 | -1.009 |
| 145 | -.480 | .139 | -.015 | -.956 | 202 | -.302 | .243 | .498 | -1.139 |
| 146 | -.547 | .154 | 0.000 | -1.069 | 203 | -.279 | .241 | .482 | -.914 |
| 147 | -.523 | .129 | -.050 | -.971 | 204 | -.122 | .186 | .515 | -1.225 |
| 148 | -.506 | .130 | -.020 | -.942 | 205 | -.553 | .211 | -.007 | -1.564 |
| 149 | -.501 | .139 | .038 | -.956 | 206 | -.265 | .071 | -.038 | -.629 |
| 150 | -.513 | .143 | -.047 | -1.038 | 207 | -.203 | .052 | -.056 | -.455 |
| 151 | .292 | .144 | .738 | -.094 | 208 | -.176 | .039 | -.038 | -.446 |
| 152 | .382 | .145 | .860 | .013 | 209 | -.356 | .147 | -.047 | -1.066 |
| 153 | .381 | .138 | .845 | .041 | 210 | -.216 | .058 | -.021 | -.475 |
| 154 | .385 | .139 | .858 | .034 | 211 | -.190 | .051 | -.043 | -.465 |
| 155 | .336 | .136 | .822 | -.010 | 212 | -.203 | .042 | -.097 | -.380 |
| 156 | .168 | .160 | .692 | -.379 | 213 | -.246 | .109 | .003 | -.815 |
| 157 | .284 | .132 | .728 | -.149 | 214 | -.162 | .054 | .057 | -.472 |
| 158 | .425 | .122 | .849 | .120 | 215 | -.154 | .049 | .089 | -.454 |
| 159 | .425 | .133 | .906 | .117 | 216 | -.220 | .054 | -.013 | -.522 |
| 160 | .414 | .135 | .852 | .076 | 217 | -.203 | .090 | .147 | -.654 |
| 161 | .357 | .128 | .810 | .042 | 218 | -.121 | .054 | .179 | -.378 |
| 162 | .109 | .116 | .560 | -.221 | 219 | -.088 | .042 | .103 | -.339 |
| 163 | .260 | .125 | .744 | -.140 | 220 | -.084 | .038 | .130 | -.337 |
| 164 | .387 | .115 | .835 | .114 | 221 | -.173 | .038 | -.070 | -.349 |
| 165 | .411 | .114 | .825 | .114 | 222 | -.187 | .042 | -.057 | -.390 |
| 166 | .407 | .114 | .782 | .113 | 223 | -.182 | .038 | -.067 | -.374 |
| 167 | .314 | .108 | .810 | .035 | 224 | -.166 | .035 | -.056 | -.328 |
| 168 | .069 | .109 | .491 | -.253 | 225 | -.217 | .043 | -.101 | -.453 |
| 169 | .215 | .099 | .629 | -.083 | 226 | -.220 | .044 | -.073 | -.509 |
| 170 | .331 | .090 | .670 | .098 | 227 | -.210 | .044 | -.079 | -.380 |
| 171 | .338 | .095 | .769 | .139 | 228 | -.172 | .044 | -.026 | -.350 |

WIND ENGINEERING STUDY OF FLUOR HEADQUARTERS BUILDING
IRVINE, CALIFORNIA

WIND DIRECTION=165

| PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT | PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT |
|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|
| 229 | -.293 | .078 | -.110 | -.695 | 286 | -.237 | .068 | -.029 | -.565 |
| 230 | -.276 | .081 | -.041 | -.646 | 287 | -.481 | .117 | -.196 | -1.139 |
| 231 | -.229 | .070 | -.028 | -.616 | 288 | -.362 | .076 | -.158 | -.762 |
| 232 | -.167 | .043 | .006 | -.356 | 289 | -.243 | .059 | -.057 | -.498 |
| 233 | -.068 | .008 | -.037 | -.094 | 290 | -.209 | .054 | -.028 | -.445 |
| 234 | .030 | .076 | .312 | -.199 | 291 | -.192 | .055 | -.009 | -.447 |
| 235 | -.132 | .041 | .050 | -.328 | 292 | -.213 | .063 | -.006 | -.494 |
| 236 | -.140 | .040 | .053 | -.331 | 293 | -.412 | .112 | -.172 | -1.008 |
| 237 | -.151 | .035 | -.044 | -.276 | 294 | -.399 | .109 | -.197 | -1.003 |
| 238 | -.148 | .040 | .012 | -.340 | 295 | -.280 | .059 | -.093 | -.675 |
| 239 | -.176 | .047 | .043 | -.337 | 296 | -.215 | .055 | -.067 | -.568 |
| 240 | -.145 | .051 | .107 | -.352 | 298 | -.167 | .055 | -.015 | -.457 |
| 241 | -.141 | .068 | .155 | -.343 | 299 | -.151 | .047 | -.006 | -.359 |
| 242 | -.017 | .066 | .274 | -.286 | 300 | -.179 | .065 | .054 | -.467 |
| 243 | -.153 | .044 | .010 | -.325 | 301 | -.223 | .088 | .022 | -.549 |
| 244 | -.159 | .045 | .016 | -.349 | 302 | -.395 | .100 | -.058 | -.854 |
| 245 | -.435 | .126 | .054 | -.920 | 303 | -.355 | .082 | -.111 | -.678 |
| 246 | -.435 | .136 | .048 | -1.124 | 304 | -.552 | .196 | -.156 | -1.644 |
| 247 | -.397 | .113 | .009 | -.885 | 305 | -.536 | .150 | .147 | -.959 |
| 248 | -.284 | .088 | .050 | -.670 | 306 | -.580 | .108 | -.180 | -1.238 |
| 249 | -.287 | .079 | .010 | -.638 | 307 | -.506 | .180 | .190 | -1.132 |
| 250 | -.489 | .086 | -.203 | -.827 | 308 | -.213 | .076 | -.012 | -.559 |
| 251 | -.102 | .202 | .485 | -.894 | 309 | -.065 | .049 | .077 | -.275 |
| 252 | .076 | .102 | .424 | -.199 | 310 | -.160 | .053 | -.006 | -.494 |
| 253 | .071 | .098 | .445 | -.209 | 311 | -.152 | .051 | -.004 | -.403 |
| 254 | .068 | .091 | .421 | -.190 | 312 | -.304 | .079 | -.010 | -.589 |
| 255 | -.004 | .077 | .333 | -.218 | 313 | -.274 | .071 | -.057 | -.530 |
| 256 | -.304 | .070 | -.069 | -.586 | 314 | -.262 | .084 | -.054 | -.731 |
| 257 | -.311 | .218 | .304 | -.955 | 315 | -.232 | .079 | -.004 | -.699 |
| 258 | -.068 | .110 | .311 | -.647 | 316 | .125 | .122 | .448 | -.578 |
| 259 | -.097 | .104 | .298 | -.504 | 317 | .028 | .177 | .607 | -.717 |
| 260 | -.109 | .099 | .283 | -.495 | 318 | -.426 | .216 | .413 | -1.102 |
| 261 | -.107 | .080 | .174 | -.387 | 319 | -.568 | .124 | -.067 | -1.060 |
| 262 | -.332 | .081 | -.079 | -.637 | 320 | .107 | .100 | .457 | -.319 |
| 263 | -.614 | .114 | -.302 | -1.003 | 321 | .075 | .136 | .474 | -.519 |
| 264 | -.454 | .113 | -.156 | -.973 | 322 | -.262 | .068 | -.072 | -.591 |
| 265 | -.380 | .098 | -.121 | -.793 | 323 | -.205 | .048 | -.020 | -.493 |
| 266 | -.255 | .066 | -.092 | -.609 | 324 | -.372 | .113 | -.125 | -.944 |
| 267 | -.236 | .047 | -.098 | -.454 | 325 | -.312 | .077 | -.126 | -.633 |
| 268 | -.411 | .087 | -.139 | -.818 | 326 | -.153 | .037 | -.039 | -.368 |
| 269 | -.645 | .126 | -.323 | -1.539 | 327 | -.193 | .030 | -.080 | -.348 |
| 270 | -.518 | .115 | -.171 | -.974 | 328 | -.245 | .075 | .060 | -.513 |
| 271 | -.267 | .056 | -.123 | -.602 | 329 | -.235 | .059 | -.026 | -.615 |
| 272 | -.195 | .038 | -.082 | -.432 | 330 | .152 | .112 | .578 | -.194 |
| 273 | -.050 | .030 | .037 | -.156 | 331 | -.214 | .046 | -.070 | -.459 |
| 274 | -.372 | .076 | -.165 | -.679 | 332 | .049 | .048 | .275 | -.092 |
| 276 | -.472 | .133 | -.158 | -.987 | 333 | -.256 | .052 | -.102 | -.485 |
| 277 | -.291 | .080 | -.080 | -.700 | 334 | .037 | .043 | .237 | -.104 |
| 278 | -.218 | .047 | -.077 | -.513 | 335 | -.241 | .052 | -.088 | -.457 |
| 279 | -.225 | .036 | -.126 | -.426 | 336 | .095 | .045 | .333 | -.045 |
| 280 | -.318 | .058 | -.143 | -.539 | 337 | -.157 | .046 | -.012 | -.393 |
| 281 | -.493 | .121 | -.215 | -.993 | 338 | .074 | .023 | .152 | -.028 |
| 282 | -.481 | .156 | -.165 | -1.275 | 339 | -.170 | .041 | -.051 | -.454 |
| 283 | -.344 | .094 | -.110 | -.822 | 340 | -.178 | .038 | -.044 | -.425 |
| 284 | -.235 | .068 | -.018 | -.546 | 341 | -.373 | .160 | .025 | -1.189 |
| 285 | -.210 | .066 | -.018 | -.596 | 342 | -.178 | .047 | -.041 | -.419 |

WIND ENGINEERING STUDY OF FLUOR HEADQUARTERS BUILDING
IRVINE, CALIFORNIA

WIND DIRECTION=180

| PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT | PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT |
|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|
| 1 | -.181 | .056 | -.051 | -.468 | 58 | -.153 | .045 | -.015 | -.381 |
| 2 | -.180 | .054 | -.032 | -.492 | 59 | -.147 | .043 | -.047 | -.361 |
| 3 | -.165 | .053 | -.035 | -.515 | 60 | -.153 | .044 | -.020 | -.378 |
| 4 | -.168 | .055 | -.019 | -.445 | 61 | -.179 | .064 | -.023 | -.457 |
| 5 | -.172 | .062 | -.004 | -.512 | 62 | -.166 | .045 | -.044 | -.396 |
| 6 | -.163 | .069 | -.006 | -.543 | 63 | -.155 | .041 | -.041 | -.354 |
| 7 | -.164 | .050 | -.047 | -.425 | 64 | -.156 | .042 | -.006 | -.409 |
| 8 | -.161 | .041 | -.055 | -.339 | 65 | -.142 | .042 | .009 | -.434 |
| 9 | -.159 | .035 | -.064 | -.384 | 66 | -.150 | .045 | -.007 | -.470 |
| 10 | -.158 | .035 | -.061 | -.349 | 67 | -.173 | .051 | -.026 | -.454 |
| 11 | -.149 | .029 | -.070 | -.324 | 68 | -.168 | .044 | -.049 | -.474 |
| 12 | -.159 | .050 | -.029 | -.518 | 69 | -.156 | .044 | -.054 | -.428 |
| 13 | -.193 | .058 | -.052 | -.452 | 70 | -.145 | .041 | -.052 | -.362 |
| 14 | -.178 | .046 | -.067 | -.407 | 71 | -.161 | .044 | -.036 | -.365 |
| 15 | -.164 | .033 | -.074 | -.290 | 72 | -.150 | .042 | -.015 | -.327 |
| 16 | -.148 | .029 | -.067 | -.259 | 73 | -.216 | .052 | -.053 | -.465 |
| 17 | -.156 | .034 | -.060 | -.324 | 74 | -.214 | .072 | -.011 | -.573 |
| 18 | -.167 | .041 | -.048 | -.377 | 75 | -.272 | .089 | -.018 | -.651 |
| 19 | -.194 | .064 | -.041 | -.642 | 76 | -.327 | .103 | -.064 | -.930 |
| 20 | -.166 | .043 | -.057 | -.530 | 77 | -.340 | .093 | -.091 | -.775 |
| 21 | -.166 | .037 | -.055 | -.326 | 78 | -.645 | .175 | -.248 | -1.224 |
| 22 | -.160 | .033 | -.048 | -.322 | 79 | -.156 | .034 | -.053 | -.341 |
| 23 | -.147 | .032 | -.060 | -.310 | 80 | -.109 | .032 | .040 | -.277 |
| 24 | -.166 | .039 | -.049 | -.370 | 81 | -.135 | .040 | .008 | -.401 |
| 25 | -.152 | .045 | -.006 | -.393 | 82 | -.176 | .070 | .027 | -.654 |
| 26 | -.129 | .035 | -.031 | -.290 | 83 | -.388 | .169 | -.041 | -1.087 |
| 27 | -.115 | .027 | -.039 | -.214 | 84 | -.689 | .201 | -.239 | -1.423 |
| 28 | -.096 | .027 | -.004 | -.214 | 85 | -.153 | .035 | -.056 | -.344 |
| 29 | -.123 | .036 | -.010 | -.330 | 86 | -.116 | .040 | .052 | -.439 |
| 30 | -.146 | .048 | -.023 | -.477 | 87 | -.072 | .057 | .081 | -.593 |
| 31 | -.153 | .041 | -.017 | -.295 | 88 | -.251 | .156 | .012 | -.860 |
| 32 | -.134 | .037 | -.009 | -.249 | 89 | -.487 | .186 | .002 | -1.192 |
| 33 | -.128 | .033 | -.010 | -.226 | 90 | -.273 | .097 | -.046 | -.801 |
| 34 | -.140 | .030 | -.036 | -.256 | 91 | -.146 | .045 | .005 | -.480 |
| 35 | -.138 | .033 | -.032 | -.291 | 92 | -.134 | .057 | .040 | -.499 |
| 36 | .067 | .022 | .127 | -.067 | 93 | -.172 | .100 | .027 | -.664 |
| 37 | -.196 | .070 | .003 | -.578 | 94 | -.288 | .176 | -.003 | -.877 |
| 38 | -.194 | .089 | .056 | -.632 | 95 | -.485 | .163 | -.011 | -1.088 |
| 39 | -.196 | .081 | .026 | -.566 | 96 | -.542 | .121 | -.240 | -1.060 |
| 40 | -.181 | .074 | .020 | -.518 | 97 | -.162 | .047 | -.029 | -.503 |
| 41 | -.192 | .071 | .008 | -.604 | 98 | -.134 | .062 | .011 | -.532 |
| 42 | -.192 | .052 | -.041 | -.482 | 99 | -.162 | .106 | .050 | -.686 |
| 43 | -.180 | .064 | .017 | -.490 | 100 | -.272 | .166 | .050 | -1.017 |
| 44 | -.169 | .066 | .073 | -.506 | 101 | -.420 | .151 | .011 | -1.026 |
| 45 | -.176 | .061 | .020 | -.521 | 102 | -.467 | .115 | -.192 | -1.064 |
| 46 | -.174 | .050 | .008 | -.476 | 103 | -.144 | .043 | .003 | -.753 |
| 47 | -.178 | .042 | -.055 | -.445 | 104 | -.105 | .053 | .071 | -.845 |
| 48 | -.164 | .038 | -.058 | -.386 | 105 | -.109 | .085 | .202 | -.657 |
| 49 | -.184 | .045 | -.073 | -.447 | 106 | -.171 | .141 | .155 | -.822 |
| 50 | -.176 | .038 | -.071 | -.345 | 107 | -.402 | .148 | .062 | -1.128 |
| 51 | -.179 | .038 | -.059 | -.351 | 108 | -.317 | .111 | -.049 | -.845 |
| 52 | -.163 | .038 | -.043 | -.401 | 109 | -.505 | .108 | -.211 | -.891 |
| 53 | -.162 | .036 | -.003 | -.430 | 110 | -.321 | .101 | 0.000 | -.690 |
| 54 | -.162 | .034 | -.058 | -.347 | 111 | -.353 | .111 | -.003 | -.754 |
| 55 | -.181 | .054 | -.058 | -.450 | 112 | -.471 | .130 | -.058 | -.905 |
| 56 | -.171 | .044 | -.057 | -.374 | 113 | -.557 | .144 | -.097 | -1.070 |
| 57 | -.154 | .042 | -.031 | -.345 | 114 | -.441 | .145 | .065 | -1.066 |

WIND ENGINEERING STUDY OF FLUOR HEADQUARTERS BUILDING
IRVINE, CALIFORNIA

WIND DIRECTION=180

| PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT | PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT |
|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|
| 115 | -.204 | .098 | .108 | -.570 | 172 | .244 | .086 | .560 | -.010 |
| 116 | .080 | .090 | .426 | -.199 | 173 | .131 | .076 | .452 | -.073 |
| 117 | .149 | .104 | .502 | -.103 | 174 | -.170 | .093 | .169 | -.552 |
| 118 | .204 | .117 | .584 | -.085 | 175 | .345 | .100 | .788 | .099 |
| 119 | .259 | .125 | .642 | -.041 | 176 | .368 | .107 | .894 | .109 |
| 120 | .296 | .158 | .783 | -.289 | 177 | .352 | .105 | .849 | .086 |
| 121 | -.236 | .084 | .049 | -.579 | 178 | .285 | .103 | .733 | .039 |
| 122 | .112 | .086 | .514 | -.146 | 179 | .151 | .084 | .478 | -.078 |
| 123 | .240 | .099 | .602 | -.009 | 180 | -.178 | .080 | .083 | -.458 |
| 124 | .315 | .109 | .756 | .043 | 181 | -.441 | .121 | -.177 | -.895 |
| 125 | .356 | .117 | .832 | .079 | 182 | -.460 | .130 | -.166 | -.975 |
| 126 | .362 | .129 | .825 | -.078 | 183 | -.422 | .118 | -.154 | -.789 |
| 127 | -.212 | .081 | .116 | -.515 | 184 | -.435 | .125 | -.166 | -.885 |
| 128 | .080 | .079 | .467 | -.125 | 185 | -.419 | .117 | -.128 | -.814 |
| 129 | .202 | .085 | .686 | .006 | 186 | -.442 | .127 | -.176 | -.890 |
| 130 | .295 | .097 | .853 | .064 | 187 | -.449 | .128 | -.108 | -.987 |
| 131 | .343 | .106 | .752 | .058 | 188 | -.457 | .134 | -.102 | -1.018 |
| 132 | .351 | .126 | .850 | -.109 | 189 | -.447 | .130 | -.100 | -1.018 |
| 133 | -.208 | .081 | .196 | -.548 | 190 | -.475 | .142 | -.108 | -1.125 |
| 134 | .066 | .075 | .429 | -.122 | 191 | -.459 | .142 | 0.000 | -1.220 |
| 135 | .182 | .075 | .510 | -.012 | 192 | -.446 | .194 | .140 | -1.444 |
| 136 | .260 | .085 | .634 | .036 | 193 | -.433 | .109 | -.151 | -.842 |
| 137 | .309 | .093 | .746 | .036 | 194 | -.461 | .120 | -.158 | -.961 |
| 138 | .312 | .120 | .849 | -.352 | 195 | -.451 | .142 | -.145 | -1.089 |
| 139 | -.186 | .080 | .112 | -.545 | 196 | -.468 | .179 | .039 | -1.375 |
| 140 | .060 | .068 | .356 | -.122 | 197 | -.416 | .119 | -.163 | -.861 |
| 141 | .190 | .082 | .491 | -.010 | 198 | -.442 | .135 | -.156 | -1.013 |
| 142 | .265 | .094 | .637 | .054 | 199 | -.491 | .144 | -.096 | -1.079 |
| 143 | .322 | .102 | .778 | .019 | 200 | -.493 | .188 | .058 | -1.515 |
| 144 | .315 | .115 | .820 | -.115 | 201 | -.459 | .129 | -.096 | -.957 |
| 145 | -.492 | .160 | .186 | -1.026 | 202 | -.434 | .140 | .296 | -1.136 |
| 146 | -.637 | .164 | .167 | -1.291 | 203 | -.467 | .142 | -.020 | -1.073 |
| 147 | -.527 | .144 | -.071 | -.974 | 204 | -.401 | .195 | .230 | -1.400 |
| 148 | -.444 | .132 | 0.000 | -.951 | 205 | -.390 | .153 | .055 | -1.119 |
| 149 | -.456 | .132 | -.023 | -.901 | 206 | -.322 | .126 | .013 | -.882 |
| 150 | -.566 | .136 | -.118 | -1.026 | 207 | -.303 | .119 | .009 | -1.039 |
| 151 | .353 | .145 | .895 | -.086 | 208 | -.314 | .146 | -.028 | -1.015 |
| 152 | .337 | .143 | .794 | -.026 | 209 | -.411 | .101 | -.177 | -.860 |
| 153 | .301 | .131 | .667 | -.048 | 210 | -.348 | .125 | -.012 | -.899 |
| 154 | .266 | .131 | .675 | -.064 | 211 | -.314 | .112 | .004 | -.779 |
| 155 | .192 | .118 | .683 | -.113 | 212 | -.324 | .128 | -.077 | -.877 |
| 156 | -.141 | .131 | .345 | -.663 | 213 | -.421 | .085 | -.197 | -.700 |
| 157 | .426 | .138 | 1.039 | .028 | 214 | -.357 | .120 | .074 | -.924 |
| 158 | .433 | .137 | 1.013 | .102 | 215 | -.297 | .122 | .025 | -.887 |
| 159 | .387 | .132 | .920 | .063 | 216 | -.300 | .135 | .029 | -1.159 |
| 160 | .326 | .125 | .871 | .006 | 217 | -.361 | .138 | .019 | -.983 |
| 161 | .216 | .113 | .653 | -.065 | 218 | -.307 | .137 | .006 | -.944 |
| 162 | -.073 | .094 | .234 | -.379 | 219 | -.265 | .124 | .044 | -.902 |
| 163 | .376 | .118 | .826 | -.068 | 220 | -.235 | .125 | .116 | -.922 |
| 164 | .388 | .113 | .798 | .089 | 221 | -.266 | .093 | -.091 | -.857 |
| 165 | .361 | .108 | .740 | .086 | 222 | -.232 | .067 | -.071 | -.611 |
| 166 | .301 | .107 | .728 | .022 | 223 | -.207 | .052 | -.060 | -.386 |
| 167 | .188 | .094 | .616 | -.047 | 224 | -.197 | .049 | -.050 | -.380 |
| 168 | -.110 | .092 | .244 | -.462 | 225 | -.287 | .096 | -.088 | -.717 |
| 169 | .334 | .106 | .736 | .033 | 226 | -.249 | .073 | -.063 | -.575 |
| 170 | .343 | .104 | .743 | .077 | 227 | -.224 | .058 | -.043 | -.502 |
| 171 | .304 | .107 | .645 | -.294 | 228 | -.207 | .052 | .015 | -.421 |

WIND ENGINEERING STUDY OF FLUOR HEADQUARTERS BUILDING
IRVINE, CALIFORNIA

WIND DIRECTION=180

| PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT | PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT |
|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|
| 229 | -.273 | .088 | -.032 | -.722 | 286 | -.203 | .057 | -.053 | -.497 |
| 230 | -.233 | .065 | -.056 | -.496 | 287 | -.332 | .113 | -.075 | -1.081 |
| 231 | -.221 | .058 | .013 | -.507 | 288 | -.300 | .100 | -.021 | -1.073 |
| 232 | -.205 | .053 | .006 | -.376 | 289 | -.294 | .118 | -.031 | -.802 |
| 233 | -.176 | .102 | .205 | -.611 | 290 | -.276 | .131 | -.004 | -1.112 |
| 234 | -.203 | .107 | .245 | -.519 | 291 | -.220 | .088 | .037 | -1.239 |
| 235 | -.189 | .054 | .034 | -.393 | 292 | -.204 | .060 | -.021 | -.548 |
| 236 | -.184 | .050 | .016 | -.390 | 293 | -.312 | .100 | -.065 | -.807 |
| 237 | -.198 | .057 | -.004 | -.427 | 294 | -.296 | .099 | -.094 | -.918 |
| 238 | -.214 | .074 | .003 | -.659 | 295 | -.274 | .089 | -.063 | -.752 |
| 239 | -.216 | .055 | -.019 | -.451 | 296 | -.251 | .077 | -.056 | -.815 |
| 240 | -.215 | .084 | .172 | -.647 | 298 | -.221 | .074 | -.031 | -.578 |
| 241 | -.205 | .063 | .087 | -.483 | 299 | -.173 | .067 | -.004 | -.553 |
| 242 | -.191 | .109 | .222 | -.793 | 300 | -.133 | .057 | .094 | -.392 |
| 243 | -.185 | .049 | .124 | -.386 | 301 | -.340 | .112 | .103 | -.849 |
| 244 | -.213 | .070 | .004 | -.463 | 302 | -.447 | .114 | -.128 | -1.065 |
| 245 | -.527 | .128 | -.114 | -1.059 | 303 | -.394 | .110 | -.109 | -1.047 |
| 246 | -.393 | .115 | -.054 | -.824 | 304 | -.484 | .153 | -.098 | -1.573 |
| 247 | -.415 | .101 | -.056 | -.749 | 305 | -.601 | .141 | .010 | -1.056 |
| 248 | -.360 | .084 | -.012 | -.680 | 306 | -.649 | .135 | -.276 | -1.129 |
| 249 | -.373 | .085 | -.116 | -.708 | 307 | -.478 | .145 | .141 | -1.015 |
| 250 | -.537 | .105 | -.219 | -1.010 | 308 | -.173 | .050 | -.010 | -.424 |
| 251 | -.523 | .177 | .056 | -1.248 | 309 | -.121 | .063 | .075 | -.352 |
| 252 | -.156 | .095 | .175 | -.622 | 310 | -.177 | .067 | .015 | -.551 |
| 253 | -.135 | .076 | .132 | -.430 | 311 | -.171 | .065 | -.004 | -.560 |
| 254 | -.124 | .069 | .116 | -.320 | 312 | -.230 | .073 | -.038 | -.732 |
| 255 | -.178 | .062 | .032 | -.396 | 313 | -.197 | .064 | -.026 | -.519 |
| 256 | -.419 | .087 | -.197 | -.881 | 314 | -.298 | .120 | .224 | -.784 |
| 257 | -.537 | .149 | -.122 | -1.131 | 315 | -.283 | .106 | .154 | -.834 |
| 258 | -.326 | .141 | .031 | -.846 | 316 | .005 | .232 | .624 | -.851 |
| 259 | -.251 | .106 | .019 | -.689 | 317 | -.192 | .230 | .496 | -.832 |
| 260 | -.237 | .092 | .028 | -.588 | 318 | -.295 | .236 | .471 | -.975 |
| 261 | -.246 | .083 | .022 | -.653 | 319 | -.475 | .150 | .150 | -.943 |
| 262 | -.434 | .096 | -.176 | -.815 | 320 | -.172 | .162 | .327 | -.742 |
| 263 | -.600 | .136 | -.282 | -1.246 | 321 | -.225 | .146 | .377 | -.652 |
| 264 | -.580 | .136 | -.175 | -1.098 | 322 | -.278 | .064 | -.095 | -.546 |
| 265 | -.426 | .114 | -.101 | -.919 | 323 | -.239 | .055 | -.073 | -.444 |
| 266 | -.317 | .114 | -.050 | -.880 | 324 | -.261 | .079 | -.068 | -.562 |
| 267 | -.283 | .107 | .001 | -.755 | 325 | -.250 | .074 | -.028 | -.522 |
| 268 | -.320 | .104 | -.082 | -1.021 | 326 | -.182 | .045 | -.040 | -.431 |
| 269 | -.605 | .157 | -.260 | -1.461 | 327 | -.218 | .032 | -.122 | -.380 |
| 270 | -.585 | .126 | -.242 | -1.101 | 328 | -.209 | .066 | .056 | -.452 |
| 271 | -.389 | .087 | -.169 | -.773 | 329 | -.261 | .077 | .032 | -.676 |
| 272 | -.270 | .082 | -.065 | -.613 | 330 | -.132 | .166 | .524 | -.713 |
| 273 | -.077 | .060 | .056 | -.372 | 331 | -.265 | .104 | .185 | -.754 |
| 274 | -.289 | .088 | -.028 | -.761 | 332 | -.016 | .130 | .465 | -.548 |
| 276 | -.575 | .125 | -.186 | -1.197 | 333 | -.289 | .119 | .094 | -.918 |
| 277 | -.452 | .123 | -.117 | -1.327 | 334 | .022 | .082 | .343 | -.394 |
| 278 | -.354 | .132 | -.050 | -1.317 | 335 | -.276 | .094 | -.028 | -.763 |
| 279 | -.310 | .117 | -.028 | -.919 | 336 | .093 | .083 | .529 | -.109 |
| 280 | -.302 | .104 | -.057 | -.887 | 337 | -.204 | .069 | -.015 | -.501 |
| 281 | -.355 | .118 | -.091 | -.922 | 338 | .042 | .047 | .151 | -.148 |
| 282 | -.315 | .104 | -.067 | -.919 | 339 | -.253 | .120 | .031 | -.979 |
| 283 | -.294 | .122 | -.040 | -1.371 | 340 | -.272 | .120 | .006 | -.801 |
| 284 | -.303 | .145 | -.010 | -1.163 | 341 | -.421 | .154 | .023 | -1.253 |
| 285 | -.245 | .094 | .009 | -.842 | 342 | -.214 | .061 | -.029 | -.482 |

WIND ENGINEERING STUDY OF FLUOR HEADQUARTERS BUILDING
IRVINE, CALIFORNIA

WIND DIRECTION=195

| PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT | PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT |
|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|
| 1 | -.272 | .080 | -.032 | -.613 | 58 | -.186 | .041 | -.076 | -.444 |
| 2 | -.228 | .076 | -.009 | -.804 | 59 | -.182 | .040 | -.067 | -.352 |
| 3 | -.202 | .079 | .003 | -.749 | 60 | -.181 | .039 | -.076 | -.360 |
| 4 | -.203 | .075 | .023 | -.637 | 61 | -.241 | .079 | -.073 | -1.053 |
| 5 | -.203 | .080 | .024 | -.647 | 62 | -.223 | .059 | -.090 | -.600 |
| 6 | -.210 | .076 | .011 | -.614 | 63 | -.200 | .049 | -.089 | -.454 |
| 7 | -.218 | .056 | -.057 | -.533 | 64 | -.202 | .045 | -.095 | -.435 |
| 8 | -.198 | .058 | -.032 | -.616 | 65 | -.184 | .040 | -.069 | -.345 |
| 9 | -.191 | .058 | -.033 | -.540 | 66 | -.187 | .040 | -.076 | -.345 |
| 10 | -.192 | .053 | -.042 | -.516 | 67 | -.213 | .061 | -.033 | -.722 |
| 11 | -.179 | .045 | -.021 | -.387 | 68 | -.202 | .050 | -.063 | -.547 |
| 12 | -.196 | .052 | -.020 | -.473 | 69 | -.189 | .047 | -.060 | -.571 |
| 13 | -.226 | .048 | -.066 | -.550 | 70 | -.183 | .044 | -.076 | -.511 |
| 14 | -.201 | .039 | -.085 | -.367 | 71 | -.198 | .047 | -.060 | -.407 |
| 15 | -.200 | .040 | -.100 | -.374 | 72 | -.185 | .046 | -.054 | -.387 |
| 16 | -.184 | .040 | -.085 | -.368 | 73 | -.258 | .030 | -.163 | -.358 |
| 17 | -.197 | .043 | -.086 | -.371 | 74 | -.256 | .073 | .006 | -.568 |
| 18 | -.203 | .049 | -.017 | -.398 | 75 | -.306 | .085 | -.053 | -.637 |
| 19 | -.208 | .043 | -.014 | -.451 | 76 | -.373 | .103 | -.038 | -.783 |
| 20 | -.177 | .034 | -.057 | -.344 | 77 | -.375 | .114 | -.041 | -.807 |
| 21 | -.185 | .034 | -.087 | -.319 | 78 | -.525 | .137 | -.062 | -1.054 |
| 22 | -.188 | .037 | -.083 | -.364 | 79 | -.155 | .037 | -.024 | -.346 |
| 23 | -.181 | .041 | -.087 | -.394 | 80 | -.051 | .043 | .125 | -.204 |
| 24 | -.209 | .053 | -.079 | -.576 | 81 | -.036 | .040 | .099 | -.154 |
| 25 | -.191 | .045 | -.013 | -.564 | 82 | -.023 | .060 | .181 | -.423 |
| 26 | -.154 | .036 | -.010 | -.302 | 83 | -.071 | .111 | .189 | -.673 |
| 27 | -.149 | .034 | -.016 | -.281 | 84 | -.416 | .173 | .120 | -1.049 |
| 28 | -.143 | .040 | -.026 | -.279 | 85 | -.155 | .032 | -.041 | -.279 |
| 29 | -.165 | .045 | -.007 | -.367 | 86 | -.054 | .039 | .129 | -.172 |
| 30 | -.197 | .056 | -.029 | -.476 | 87 | .034 | .039 | .193 | -.145 |
| 31 | -.190 | .027 | -.109 | -.279 | 88 | .009 | .071 | .225 | -.580 |
| 32 | -.165 | .032 | -.054 | -.299 | 89 | -.087 | .178 | .283 | -.946 |
| 33 | -.143 | .035 | -.009 | -.285 | 90 | -.126 | .122 | .230 | -.623 |
| 34 | -.161 | .039 | -.042 | -.299 | 91 | -.143 | .033 | -.037 | -.303 |
| 35 | -.165 | .042 | -.056 | -.338 | 92 | -.069 | .037 | .111 | -.209 |
| 36 | .048 | .025 | .116 | -.054 | 93 | -.024 | .041 | .149 | -.171 |
| 37 | -.225 | .076 | .003 | -.608 | 94 | .002 | .082 | .256 | -.574 |
| 38 | -.237 | .083 | .003 | -.655 | 95 | -.109 | .182 | .215 | -.815 |
| 39 | -.246 | .075 | .040 | -.628 | 96 | -.336 | .166 | .157 | -.918 |
| 40 | -.234 | .069 | -.005 | -.506 | 97 | -.163 | .035 | -.053 | -.306 |
| 41 | -.232 | .068 | -.015 | -.690 | 98 | -.068 | .034 | .069 | -.187 |
| 42 | -.221 | .055 | -.062 | -.597 | 99 | -.024 | .048 | .184 | -.428 |
| 43 | -.224 | .069 | .023 | -.586 | 100 | -.021 | .091 | .257 | -.611 |
| 44 | -.210 | .066 | .125 | -.614 | 101 | -.117 | .165 | .280 | -.705 |
| 45 | -.218 | .057 | -.008 | -.454 | 102 | -.265 | .139 | .265 | -.967 |
| 46 | -.218 | .050 | -.026 | -.495 | 103 | -.150 | .038 | -.043 | -.312 |
| 47 | -.219 | .040 | -.070 | -.410 | 104 | -.055 | .036 | .094 | -.186 |
| 48 | -.204 | .040 | -.064 | -.396 | 105 | .002 | .045 | .177 | -.233 |
| 49 | -.233 | .063 | -.058 | -.722 | 106 | .055 | .073 | .274 | -.334 |
| 50 | -.223 | .049 | -.070 | -.519 | 107 | -.058 | .156 | .327 | -.631 |
| 51 | -.217 | .037 | -.097 | -.382 | 108 | -.105 | .112 | .192 | -.641 |
| 52 | -.198 | .041 | -.070 | -.404 | 109 | -.533 | .113 | -.078 | -1.036 |
| 53 | -.191 | .037 | -.091 | -.399 | 110 | -.490 | .116 | -.011 | -.897 |
| 54 | -.191 | .034 | -.107 | -.376 | 111 | -.501 | .138 | .008 | -.961 |
| 55 | -.229 | .066 | -.067 | -.566 | 112 | -.524 | .142 | -.005 | -1.007 |
| 56 | -.215 | .050 | -.085 | -.465 | 113 | -.585 | .144 | .020 | -1.115 |
| 57 | -.187 | .044 | -.074 | -.433 | 114 | -.493 | .152 | .090 | -1.051 |

WIND ENGINEERING STUDY OF FLUOR HEADQUARTERS BUILDING
IRVINE, CALIFORNIA

WIND DIRECTION=195

| PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT | PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT |
|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|
| 115 | .016 | .112 | .547 | -.422 | 172 | .168 | .074 | .515 | -.003 |
| 116 | .221 | .120 | .702 | -.134 | 173 | .061 | .062 | .357 | -.107 |
| 117 | .255 | .127 | .696 | -.116 | 174 | -.170 | .054 | .046 | -.351 |
| 118 | .301 | .136 | .685 | -.088 | 175 | .276 | .112 | .734 | -.062 |
| 119 | .309 | .141 | .728 | -.030 | 176 | .295 | .095 | .679 | -.013 |
| 120 | .316 | .150 | .781 | -.119 | 177 | .258 | .089 | .634 | .065 |
| 121 | .028 | .119 | .582 | -.381 | 178 | .188 | .080 | .560 | .003 |
| 122 | .292 | .111 | .775 | .006 | 179 | .069 | .063 | .434 | -.100 |
| 123 | .368 | .125 | .833 | .064 | 180 | -.161 | .048 | .109 | -.341 |
| 124 | .407 | .129 | .889 | .105 | 181 | -.282 | .050 | -.130 | -.460 |
| 125 | .415 | .129 | .879 | .117 | 182 | -.294 | .051 | -.135 | -.496 |
| 126 | .388 | .119 | .786 | .046 | 183 | -.292 | .049 | -.133 | -.526 |
| 127 | .015 | .122 | .402 | -.346 | 184 | -.303 | .050 | -.148 | -.538 |
| 128 | .263 | .103 | .731 | .003 | 185 | -.291 | .053 | -.151 | -.551 |
| 129 | .343 | .105 | .795 | .087 | 186 | -.309 | .053 | -.149 | -.580 |
| 130 | .413 | .112 | .839 | .164 | 187 | -.292 | .052 | -.090 | -.478 |
| 131 | .393 | .115 | .887 | .151 | 188 | -.297 | .051 | -.115 | -.480 |
| 132 | .360 | .119 | .918 | .061 | 189 | -.284 | .049 | -.119 | -.457 |
| 133 | 0.000 | .099 | .349 | -.307 | 190 | -.299 | .050 | -.130 | -.474 |
| 134 | .215 | .092 | .626 | .003 | 191 | -.308 | .053 | -.133 | -.500 |
| 135 | .301 | .091 | .687 | .101 | 192 | -.312 | .061 | -.126 | -.584 |
| 136 | .345 | .096 | .721 | .146 | 193 | -.295 | .049 | -.151 | -.451 |
| 137 | .360 | .097 | .767 | .158 | 194 | -.309 | .050 | -.154 | -.464 |
| 138 | .329 | .105 | .835 | .051 | 195 | -.305 | .053 | -.126 | -.526 |
| 139 | .023 | .091 | .326 | -.348 | 196 | -.306 | .059 | -.119 | -.560 |
| 140 | .224 | .082 | .596 | .029 | 197 | -.290 | .049 | -.109 | -.448 |
| 141 | .320 | .089 | .681 | .116 | 198 | -.304 | .051 | -.130 | -.468 |
| 142 | .364 | .102 | .776 | .144 | 199 | -.305 | .051 | -.148 | -.526 |
| 143 | .349 | .100 | .806 | .103 | 200 | -.305 | .055 | -.136 | -.776 |
| 144 | .308 | .096 | .667 | .032 | 201 | -.293 | .050 | -.148 | -.519 |
| 145 | -.467 | .143 | .055 | -1.011 | 202 | -.305 | .060 | -.131 | -.581 |
| 146 | -.609 | .156 | -.075 | -1.137 | 203 | -.305 | .053 | -.139 | -.621 |
| 147 | -.559 | .131 | -.020 | -1.089 | 204 | -.302 | .058 | -.126 | -.583 |
| 148 | -.423 | .115 | .074 | -.795 | 205 | -.297 | .055 | -.109 | -.532 |
| 149 | -.368 | .100 | -.014 | -.828 | 206 | -.289 | .052 | -.104 | -.494 |
| 150 | -.493 | .101 | -.246 | -.937 | 207 | -.313 | .058 | -.129 | -.619 |
| 151 | .268 | .164 | .857 | -.306 | 208 | -.338 | .076 | -.162 | -.726 |
| 152 | .252 | .124 | .712 | -.043 | 209 | -.296 | .046 | -.172 | -.474 |
| 153 | .210 | .109 | .586 | -.054 | 210 | -.302 | .056 | -.147 | -.538 |
| 154 | .164 | .106 | .505 | -.093 | 211 | -.322 | .061 | -.166 | -.618 |
| 155 | .079 | .090 | .465 | -.190 | 212 | -.369 | .081 | -.170 | -.753 |
| 156 | -.268 | .078 | .035 | -.535 | 213 | -.305 | .053 | -.159 | -.545 |
| 157 | .362 | .159 | .908 | -.207 | 214 | -.310 | .060 | -.151 | -.539 |
| 158 | .363 | .126 | .792 | .065 | 215 | -.313 | .055 | -.141 | -.501 |
| 159 | .284 | .109 | .648 | .029 | 216 | -.365 | .078 | -.163 | -.705 |
| 160 | .215 | .097 | .589 | -.020 | 217 | -.299 | .056 | -.141 | -.569 |
| 161 | .109 | .082 | .447 | -.109 | 218 | -.300 | .057 | -.122 | -.557 |
| 162 | -.103 | .056 | .142 | -.267 | 219 | -.291 | .056 | -.122 | -.517 |
| 163 | .308 | .152 | .770 | -.329 | 220 | -.287 | .057 | -.127 | -.511 |
| 164 | .314 | .107 | .690 | -.213 | 221 | -.290 | .054 | -.148 | -.461 |
| 165 | .274 | .092 | .602 | .033 | 222 | -.244 | .043 | -.105 | -.405 |
| 166 | .203 | .085 | .573 | -.003 | 223 | -.215 | .036 | -.099 | -.359 |
| 167 | .084 | .071 | .393 | -.125 | 224 | -.216 | .036 | -.059 | -.348 |
| 168 | -.126 | .056 | .122 | -.309 | 225 | -.300 | .046 | -.182 | -.535 |
| 169 | .258 | .126 | .686 | -.206 | 226 | -.249 | .039 | -.123 | -.421 |
| 170 | .273 | .094 | .686 | .059 | 227 | -.229 | .039 | -.089 | -.353 |
| 171 | .240 | .084 | .600 | .035 | 228 | -.227 | .039 | -.065 | -.353 |

WIND ENGINEERING STUDY OF FLUOR HEADQUARTERS BUILDING
IRVINE, CALIFORNIA

WIND DIRECTION=195

| PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT | PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT |
|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|
| 229 | -.300 | .054 | -.055 | -.477 | 286 | -.312 | .097 | -.094 | -.932 |
| 230 | -.253 | .041 | -.093 | -.379 | 287 | -.299 | .092 | -.057 | -.821 |
| 231 | -.222 | .041 | -.046 | -.363 | 288 | -.320 | .094 | -.054 | -.835 |
| 232 | -.220 | .042 | -.076 | -.362 | 289 | -.299 | .085 | -.081 | -.848 |
| 233 | -.249 | .051 | -.058 | -.403 | 290 | -.254 | .054 | -.100 | -.782 |
| 234 | -.263 | .045 | -.135 | -.424 | 291 | -.252 | .051 | -.112 | -.509 |
| 235 | -.214 | .036 | -.058 | -.341 | 292 | -.280 | .069 | -.082 | -.622 |
| 236 | -.211 | .035 | -.059 | -.326 | 293 | -.322 | .074 | -.134 | -.634 |
| 237 | -.217 | .041 | -.090 | -.360 | 294 | -.312 | .064 | -.135 | -.597 |
| 238 | -.245 | .052 | -.068 | -.556 | 295 | -.306 | .062 | -.100 | -.605 |
| 239 | -.242 | .042 | -.127 | -.459 | 296 | -.301 | .067 | -.079 | -.603 |
| 240 | -.279 | .066 | -.044 | -.711 | 298 | -.279 | .065 | -.053 | -.556 |
| 241 | -.239 | .043 | -.110 | -.402 | 299 | -.199 | .075 | .069 | -.530 |
| 242 | -.266 | .070 | -.044 | -.640 | 300 | -.181 | .059 | .026 | -.457 |
| 243 | -.219 | .035 | -.104 | -.338 | 301 | -.394 | .154 | .179 | -.957 |
| 244 | -.258 | .046 | -.159 | -.513 | 302 | -.549 | .142 | -.117 | -1.158 |
| 245 | -.485 | .101 | -.228 | -.938 | 303 | -.517 | .115 | -.170 | -1.000 |
| 246 | -.382 | .084 | -.132 | -.779 | 304 | -.491 | .111 | -.159 | -.862 |
| 247 | -.393 | .077 | -.182 | -.819 | 305 | -.598 | .122 | -.261 | -1.063 |
| 248 | -.349 | .080 | -.126 | -.923 | 306 | -.669 | .146 | -.046 | -1.171 |
| 249 | -.357 | .081 | -.129 | -.718 | 307 | -.426 | .102 | .138 | -.826 |
| 250 | -.417 | .089 | -.182 | -.887 | 308 | -.166 | .064 | .034 | -.470 |
| 251 | -.513 | .092 | -.228 | -.903 | 309 | -.106 | .047 | .062 | -.346 |
| 252 | -.374 | .096 | -.046 | -.791 | 310 | -.382 | .113 | -.076 | -.951 |
| 253 | -.298 | .077 | -.038 | -.738 | 311 | -.345 | .088 | -.100 | -.726 |
| 254 | -.262 | .070 | .015 | -.639 | 312 | -.268 | .072 | -.058 | -.575 |
| 255 | -.275 | .061 | -.051 | -.534 | 313 | -.203 | .052 | -.013 | -.418 |
| 256 | -.372 | .078 | -.150 | -.825 | 314 | -.084 | .173 | .461 | -.728 |
| 257 | -.445 | .095 | -.217 | -.803 | 315 | -.131 | .162 | .510 | -.589 |
| 258 | -.341 | .073 | -.056 | -.668 | 316 | -.332 | .242 | .566 | -1.036 |
| 259 | -.347 | .097 | .112 | -.803 | 317 | -.492 | .153 | .145 | -1.050 |
| 260 | -.332 | .117 | .116 | -.941 | 318 | -.001 | .213 | .557 | -.874 |
| 261 | -.313 | .109 | .013 | -.793 | 319 | -.217 | .215 | .473 | -.918 |
| 262 | -.357 | .103 | -.065 | -.850 | 320 | -.329 | .091 | .149 | -.698 |
| 263 | -.427 | .098 | -.142 | -.950 | 321 | -.327 | .076 | .043 | -.602 |
| 264 | -.395 | .098 | -.113 | -.869 | 322 | -.331 | .094 | -.102 | -.751 |
| 265 | -.362 | .105 | -.065 | -1.011 | 323 | -.303 | .082 | -.086 | -.656 |
| 266 | -.356 | .132 | -.043 | -1.030 | 324 | -.219 | .066 | -.044 | -.705 |
| 267 | -.361 | .129 | -.015 | -.954 | 325 | -.202 | .056 | -.027 | -.463 |
| 268 | -.341 | .100 | -.073 | -.800 | 326 | -.230 | .053 | -.028 | -.414 |
| 269 | -.437 | .097 | -.189 | -.975 | 327 | -.226 | .030 | -.117 | -.401 |
| 270 | -.398 | .098 | -.063 | -.803 | 328 | -.229 | .066 | .001 | -.467 |
| 271 | -.357 | .091 | -.100 | -.825 | 329 | -.281 | .052 | -.112 | -.483 |
| 272 | -.338 | .105 | -.026 | -.868 | 330 | -.279 | .053 | -.100 | -.471 |
| 273 | -.125 | .075 | .075 | -.895 | 331 | -.284 | .054 | -.015 | -.548 |
| 274 | -.309 | .105 | -.059 | -.822 | 332 | -.260 | .072 | .065 | -.608 |
| 276 | -.382 | .110 | -.075 | -.907 | 333 | -.280 | .086 | 0.000 | -.666 |
| 277 | -.373 | .109 | .004 | -.885 | 334 | -.165 | .090 | .257 | -.527 |
| 278 | -.358 | .097 | -.004 | -.882 | 335 | -.287 | .109 | .157 | -.712 |
| 279 | -.343 | .083 | -.006 | -.807 | 336 | .045 | .099 | .436 | -.276 |
| 280 | -.344 | .093 | .001 | -.807 | 337 | -.217 | .043 | -.069 | -.355 |
| 281 | -.341 | .104 | -.084 | -.879 | 338 | .024 | .026 | .109 | -.077 |
| 282 | -.376 | .151 | -.016 | -1.129 | 339 | -.280 | .058 | -.129 | -.507 |
| 283 | -.339 | .116 | -.040 | -1.062 | 340 | -.296 | .057 | -.123 | -.514 |
| 284 | -.267 | .068 | -.084 | -.686 | 341 | -.266 | .072 | -.010 | -.645 |
| 285 | -.282 | .082 | -.090 | -.719 | 342 | -.231 | .042 | -.093 | -.400 |

WIND ENGINEERING STUDY OF FLUOR HEADQUARTERS BUILDING
IRVINE, CALIFORNIA WIND DIRECTION=210

| PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT | PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT |
|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|
| 1 | -.215 | .073 | -.032 | -.589 | 58 | -.412 | .139 | -.095 | -1.088 |
| 2 | -.310 | .127 | .003 | -.944 | 59 | -.384 | .131 | -.146 | -1.054 |
| 3 | -.282 | .119 | 0.000 | -1.054 | 60 | -.369 | .123 | -.148 | -.904 |
| 4 | -.260 | .095 | -.011 | -.690 | 61 | -.310 | .122 | .026 | -.891 |
| 5 | -.273 | .096 | .007 | -.788 | 62 | -.326 | .104 | -.037 | -.798 |
| 6 | -.297 | .099 | -.039 | -.766 | 63 | -.354 | .120 | .004 | -1.086 |
| 7 | -.233 | .077 | -.030 | -.623 | 64 | -.386 | .124 | -.084 | -.978 |
| 8 | -.290 | .114 | -.010 | -.845 | 65 | -.357 | .117 | -.129 | -.931 |
| 9 | -.287 | .118 | .062 | -.831 | 66 | -.353 | .112 | -.136 | -.915 |
| 10 | -.261 | .085 | .024 | -.753 | 67 | -.266 | .117 | .117 | -.949 |
| 11 | -.241 | .059 | -.082 | -.484 | 68 | -.284 | .112 | .129 | -.828 |
| 12 | -.268 | .083 | .021 | -.692 | 69 | -.318 | .114 | .119 | -.994 |
| 13 | -.282 | .090 | -.067 | -.629 | 70 | -.356 | .116 | -.117 | -.889 |
| 14 | -.258 | .073 | -.049 | -.680 | 71 | -.382 | .127 | -.099 | -.922 |
| 15 | -.243 | .058 | -.076 | -.463 | 72 | -.357 | .117 | -.107 | -.849 |
| 16 | -.228 | .055 | -.070 | -.400 | 73 | -.442 | .104 | -.203 | -.862 |
| 17 | -.239 | .071 | .006 | -.528 | 74 | -.323 | .082 | .009 | -.656 |
| 18 | -.265 | .087 | .044 | -.666 | 75 | -.344 | .093 | -.018 | -.671 |
| 19 | -.273 | .090 | -.040 | -.702 | 76 | -.434 | .113 | -.050 | -.874 |
| 20 | -.240 | .070 | -.050 | -.617 | 77 | -.455 | .123 | -.038 | -.909 |
| 21 | -.235 | .057 | -.046 | -.461 | 78 | -.434 | .137 | .047 | -.985 |
| 22 | -.241 | .062 | -.007 | -.443 | 79 | -.308 | .130 | .030 | -.819 |
| 23 | -.235 | .072 | .026 | -.483 | 80 | -.036 | .074 | .282 | -.272 |
| 24 | -.276 | .093 | .011 | -.634 | 81 | .029 | .079 | .387 | -.165 |
| 25 | -.271 | .091 | -.033 | -.706 | 82 | .086 | .091 | .458 | -.170 |
| 26 | -.233 | .064 | -.066 | -.599 | 83 | .108 | .100 | .460 | -.281 |
| 27 | -.218 | .054 | -.063 | -.410 | 84 | -.066 | .217 | .476 | -.822 |
| 28 | -.215 | .059 | -.023 | -.493 | 85 | -.313 | .105 | -.006 | -.627 |
| 29 | -.245 | .076 | .024 | -.611 | 86 | -.054 | .076 | .223 | -.279 |
| 30 | -.279 | .096 | .024 | -.798 | 87 | .097 | .064 | .370 | -.067 |
| 31 | -.226 | .068 | -.066 | -.533 | 88 | .139 | .090 | .537 | -.088 |
| 32 | -.233 | .068 | -.072 | -.590 | 89 | .166 | .108 | .580 | -.300 |
| 33 | -.203 | .074 | .087 | -.431 | 90 | .109 | .116 | .484 | -.379 |
| 34 | -.232 | .061 | -.032 | -.607 | 91 | -.246 | .077 | -.038 | -.587 |
| 35 | -.225 | .067 | .006 | -.650 | 92 | -.059 | .062 | .205 | -.222 |
| 36 | .006 | .075 | .143 | -.609 | 93 | .039 | .066 | .364 | -.141 |
| 37 | -.315 | .100 | -.050 | -.786 | 94 | .122 | .076 | .448 | -.074 |
| 38 | -.287 | .091 | .018 | -.736 | 95 | .145 | .111 | .583 | -.423 |
| 39 | -.344 | .082 | -.093 | -.669 | 96 | -.020 | .206 | .640 | -.643 |
| 40 | -.448 | .120 | -.090 | -1.155 | 97 | -.276 | .085 | -.062 | -.599 |
| 41 | -.468 | .142 | -.126 | -1.032 | 98 | -.072 | .055 | .140 | -.249 |
| 42 | -.516 | .200 | -.143 | -1.328 | 99 | .028 | .056 | .250 | -.115 |
| 43 | -.282 | .083 | .017 | -.707 | 100 | .094 | .066 | .370 | -.187 |
| 44 | -.279 | .085 | .088 | -.672 | 101 | .107 | .095 | .416 | -.414 |
| 45 | -.341 | .098 | .056 | -.933 | 102 | -.018 | .158 | .445 | -.519 |
| 46 | -.430 | .104 | -.108 | -.847 | 103 | -.262 | .085 | -.035 | -.609 |
| 47 | -.516 | .158 | -.188 | -1.196 | 104 | -.060 | .056 | .138 | -.228 |
| 48 | -.549 | .216 | -.188 | -1.510 | 105 | .054 | .062 | .299 | -.106 |
| 49 | -.282 | .104 | .085 | -.816 | 106 | .156 | .068 | .434 | -.041 |
| 50 | -.313 | .105 | .126 | -.781 | 107 | .176 | .104 | .590 | -.316 |
| 51 | -.395 | .115 | -.017 | -.841 | 108 | .081 | .118 | .504 | -.334 |
| 52 | -.449 | .140 | -.096 | -1.020 | 109 | -.539 | .137 | -.011 | -1.021 |
| 53 | -.469 | .153 | -.170 | -1.032 | 110 | -.584 | .139 | 0.000 | -1.118 |
| 54 | -.455 | .149 | -.170 | -1.167 | 111 | -.549 | .132 | -.033 | -1.044 |
| 55 | -.308 | .132 | .087 | -.922 | 112 | -.544 | .130 | -.006 | -1.058 |
| 56 | -.322 | .110 | .102 | -.788 | 113 | -.558 | .135 | .035 | -1.009 |
| 57 | -.366 | .124 | .102 | -.839 | 114 | -.504 | .136 | .052 | -.903 |

WIND ENGINEERING STUDY OF FLUOR HEADQUARTERS BUILDING
IRVINE, CALIFORNIA

WIND DIRECTION=210

| PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT | PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT |
|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|
| 115 | .205 | .132 | .633 | -.179 | 172 | .074 | .055 | .329 | -.073 |
| 116 | .291 | .134 | .713 | -.042 | 173 | .001 | .043 | .233 | -.107 |
| 117 | .282 | .132 | .733 | -.056 | 174 | -.140 | .033 | -.001 | -.270 |
| 118 | .294 | .134 | .853 | -.044 | 175 | .106 | .138 | .596 | -.451 |
| 119 | .279 | .129 | .737 | -.094 | 176 | .194 | .103 | .587 | -.312 |
| 120 | .197 | .131 | .643 | -.158 | 177 | .174 | .070 | .535 | -.028 |
| 121 | .244 | .141 | .715 | -.170 | 178 | .113 | .059 | .419 | -.020 |
| 122 | .369 | .129 | .818 | .052 | 179 | .014 | .047 | .274 | -.110 |
| 123 | .437 | .142 | 1.003 | .076 | 180 | -.130 | .036 | .022 | -.249 |
| 124 | .437 | .142 | .973 | .083 | 181 | -.203 | .038 | -.084 | -.341 |
| 125 | .399 | .135 | .880 | .090 | 182 | -.207 | .038 | -.093 | -.334 |
| 126 | .277 | .122 | .683 | -.052 | 183 | -.188 | .038 | -.081 | -.360 |
| 127 | .248 | .127 | .706 | -.131 | 184 | -.205 | .038 | -.077 | -.364 |
| 128 | .384 | .118 | .835 | .137 | 185 | -.183 | .038 | -.080 | -.363 |
| 129 | .406 | .115 | .907 | .178 | 186 | -.202 | .039 | -.078 | -.386 |
| 130 | .423 | .113 | .933 | .182 | 187 | -.194 | .037 | -.064 | -.332 |
| 131 | .376 | .116 | .813 | .100 | 188 | -.202 | .038 | -.097 | -.339 |
| 132 | .240 | .131 | .805 | -.152 | 189 | -.197 | .036 | -.107 | -.318 |
| 133 | .174 | .123 | .741 | -.231 | 190 | -.204 | .037 | -.109 | -.319 |
| 134 | .316 | .105 | .799 | .051 | 191 | -.199 | .037 | -.102 | -.365 |
| 135 | .343 | .094 | .777 | .132 | 192 | -.199 | .038 | -.112 | -.370 |
| 136 | .350 | .096 | .726 | .120 | 193 | -.191 | .037 | -.096 | -.342 |
| 137 | .325 | .096 | .673 | .109 | 194 | -.203 | .038 | -.102 | -.360 |
| 138 | .213 | .109 | .608 | -.199 | 195 | -.211 | .039 | -.106 | -.341 |
| 139 | .194 | .107 | .595 | -.109 | 196 | -.210 | .040 | -.099 | -.349 |
| 140 | .325 | .105 | .734 | .102 | 197 | -.201 | .039 | -.078 | -.336 |
| 141 | .373 | .108 | .748 | .146 | 198 | -.214 | .039 | -.094 | -.347 |
| 142 | .378 | .109 | .837 | .175 | 199 | -.205 | .038 | -.106 | -.361 |
| 143 | .343 | .098 | .771 | .112 | 200 | -.203 | .039 | -.109 | -.386 |
| 144 | .215 | .100 | .567 | -.071 | 201 | -.196 | .037 | -.093 | -.329 |
| 145 | -.528 | .114 | -.081 | -.876 | 202 | -.206 | .039 | -.093 | -.378 |
| 146 | -.574 | .152 | -.029 | -1.173 | 203 | -.207 | .040 | -.103 | -.376 |
| 147 | -.499 | .124 | -.045 | -.957 | 204 | -.204 | .037 | -.103 | -.342 |
| 148 | -.364 | .097 | -.009 | -.719 | 205 | -.194 | .036 | -.083 | -.344 |
| 149 | -.249 | .074 | -.042 | -.592 | 206 | -.199 | .036 | -.078 | -.392 |
| 150 | -.349 | .070 | -.058 | -.702 | 207 | -.208 | .041 | -.087 | -.429 |
| 151 | -.016 | .195 | .528 | -.689 | 208 | -.216 | .060 | -.095 | -.661 |
| 152 | .116 | .100 | .516 | -.261 | 209 | -.197 | .035 | -.104 | -.365 |
| 153 | .091 | .087 | .438 | -.109 | 210 | -.198 | .040 | -.079 | -.387 |
| 154 | .060 | .080 | .365 | -.142 | 211 | -.206 | .039 | -.095 | -.443 |
| 155 | -.015 | .066 | .233 | -.228 | 212 | -.232 | .059 | -.101 | -.531 |
| 156 | -.258 | .058 | -.045 | -.493 | 213 | -.199 | .031 | -.114 | -.302 |
| 157 | .028 | .087 | .570 | -.631 | 214 | -.201 | .036 | -.103 | -.333 |
| 158 | .187 | .110 | .537 | -.287 | 215 | -.201 | .038 | -.094 | -.371 |
| 159 | .146 | .083 | .473 | -.075 | 216 | -.216 | .053 | -.065 | -.456 |
| 160 | .096 | .070 | .368 | -.078 | 217 | -.198 | .035 | -.089 | -.317 |
| 161 | .017 | .057 | .264 | -.132 | 218 | -.197 | .036 | -.089 | -.323 |
| 162 | -.113 | .039 | .033 | -.249 | 219 | -.191 | .035 | -.087 | -.326 |
| 163 | .016 | .194 | .570 | -.673 | 220 | -.190 | .036 | -.082 | -.327 |
| 164 | .164 | .099 | .508 | -.286 | 221 | -.187 | .033 | -.065 | -.353 |
| 165 | .142 | .074 | .455 | -.044 | 222 | -.167 | .031 | -.062 | -.284 |
| 166 | .042 | .063 | .352 | -.091 | 223 | -.162 | .032 | -.066 | -.274 |
| 167 | .017 | .050 | .258 | -.106 | 224 | -.163 | .032 | -.065 | -.279 |
| 168 | -.112 | .035 | .033 | -.231 | 225 | -.192 | .032 | -.110 | -.302 |
| 169 | .039 | .164 | .561 | -.570 | 226 | -.171 | .032 | -.025 | -.262 |
| 170 | .148 | .096 | .490 | -.242 | 227 | -.162 | .032 | -.029 | -.298 |
| 171 | .125 | .069 | .415 | -.113 | 228 | -.162 | .032 | -.048 | -.295 |

WIND ENGINEERING STUDY OF FLUOR HEADQUARTERS BUILDING
IRVINE, CALIFORNIA

WIND DIRECTION=210

| PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT | PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT |
|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|
| 229 | -.181 | .042 | -.048 | -.374 | 286 | -.215 | .067 | -.013 | -.590 |
| 230 | -.169 | .031 | -.045 | -.282 | 287 | -.217 | .074 | -.016 | -.839 |
| 231 | -.174 | .030 | -.078 | -.283 | 288 | -.195 | .055 | -.010 | -.438 |
| 232 | -.172 | .030 | -.051 | -.274 | 289 | -.181 | .045 | -.026 | -.433 |
| 233 | -.181 | .036 | -.028 | -.321 | 290 | -.182 | .044 | -.033 | -.338 |
| 234 | -.184 | .033 | -.067 | -.309 | 291 | -.195 | .046 | -.033 | -.429 |
| 235 | -.169 | .034 | -.047 | -.284 | 292 | -.212 | .056 | -.032 | -.493 |
| 236 | -.173 | .033 | -.057 | -.296 | 293 | -.229 | .064 | -.061 | -.554 |
| 237 | -.163 | .033 | -.053 | -.283 | 294 | -.205 | .057 | -.043 | -.500 |
| 238 | -.217 | .054 | -.032 | -.453 | 295 | -.199 | .056 | -.003 | -.474 |
| 239 | -.165 | .032 | -.054 | -.257 | 296 | -.205 | .059 | -.043 | -.491 |
| 240 | -.208 | .052 | -.004 | -.405 | 298 | -.260 | .079 | -.067 | -.603 |
| 241 | -.175 | .030 | -.038 | -.282 | 299 | -.169 | .063 | -.067 | -.426 |
| 242 | -.199 | .049 | -.059 | -.403 | 300 | -.278 | .085 | .032 | -.652 |
| 243 | -.181 | .032 | -.076 | -.305 | 301 | -.541 | .159 | .041 | -1.033 |
| 244 | -.226 | .043 | -.098 | -.378 | 302 | -.638 | .154 | -.193 | -1.184 |
| 245 | -.338 | .072 | -.168 | -.667 | 303 | -.552 | .107 | -.204 | -.916 |
| 246 | -.327 | .075 | -.099 | -.700 | 304 | -.571 | .115 | -.170 | -.952 |
| 247 | -.329 | .079 | -.062 | -.819 | 305 | -.565 | .109 | -.180 | -.952 |
| 248 | -.273 | .071 | -.032 | -.657 | 306 | -.545 | .166 | .093 | -1.061 |
| 249 | -.261 | .069 | -.038 | -.642 | 307 | -.262 | .088 | -.007 | -.597 |
| 250 | -.258 | .074 | -.010 | -.562 | 308 | -.152 | .068 | .099 | -.458 |
| 251 | -.350 | .072 | -.157 | -.716 | 309 | -.088 | .041 | .067 | -.254 |
| 252 | -.344 | .069 | -.133 | -.578 | 310 | -.350 | .093 | .033 | -.778 |
| 253 | -.268 | .068 | -.033 | -.525 | 311 | -.324 | .079 | .047 | -.697 |
| 254 | -.230 | .078 | .029 | -.717 | 312 | -.369 | .089 | -.100 | -.784 |
| 255 | -.220 | .076 | .038 | -.644 | 313 | -.265 | .064 | -.066 | -.610 |
| 256 | -.225 | .076 | .032 | -.626 | 314 | .109 | .139 | .503 | -.607 |
| 257 | -.360 | .080 | -.117 | -.741 | 315 | -.022 | .157 | .401 | -.624 |
| 258 | -.281 | .056 | -.109 | -.480 | 316 | -.479 | .222 | .720 | -1.130 |
| 259 | -.273 | .060 | -.086 | -.559 | 317 | -.578 | .118 | -.107 | -.984 |
| 260 | -.273 | .073 | 0.000 | -.612 | 318 | .090 | .122 | .487 | -.656 |
| 261 | -.246 | .076 | .009 | -.632 | 319 | .005 | .179 | .480 | -.652 |
| 262 | -.251 | .078 | -.022 | -.584 | 320 | -.248 | .072 | .096 | -.603 |
| 263 | -.261 | .072 | -.062 | -.536 | 321 | -.216 | .060 | .122 | -.637 |
| 264 | -.251 | .078 | .006 | -.797 | 322 | -.328 | .093 | -.074 | -.659 |
| 265 | -.253 | .088 | -.017 | -.697 | 323 | -.304 | .077 | -.067 | -.646 |
| 266 | -.285 | .119 | 0.000 | -.855 | 324 | -.182 | .057 | -.037 | -.587 |
| 267 | -.322 | .131 | -.028 | -.961 | 325 | -.170 | .045 | -.037 | -.422 |
| 268 | -.249 | .085 | -.003 | -.715 | 326 | -.321 | .067 | -.096 | -.570 |
| 269 | -.228 | .066 | -.035 | -.487 | 327 | -.216 | .036 | -.061 | -.401 |
| 270 | -.221 | .065 | .023 | -.522 | 328 | -.194 | .049 | .014 | -.390 |
| 271 | -.244 | .079 | -.022 | -.773 | 329 | -.207 | .039 | -.110 | -.396 |
| 272 | -.278 | .114 | -.014 | -.891 | 330 | -.199 | .036 | -.106 | -.364 |
| 273 | -.091 | .082 | .080 | -.709 | 331 | -.233 | .038 | -.128 | -.396 |
| 274 | -.247 | .086 | -.013 | -.746 | 332 | -.224 | .041 | -.081 | -.365 |
| 276 | -.235 | .059 | -.052 | -.494 | 333 | -.239 | .054 | -.107 | -.452 |
| 277 | -.250 | .061 | -.083 | -.542 | 334 | -.180 | .043 | 0.000 | -.383 |
| 278 | -.263 | .068 | -.077 | -.686 | 335 | -.202 | .068 | -.028 | -.504 |
| 279 | -.273 | .073 | -.088 | -.658 | 336 | -.055 | .068 | .241 | -.301 |
| 280 | -.278 | .081 | -.064 | -.717 | 337 | -.150 | .036 | -.017 | -.274 |
| 281 | -.225 | .078 | -.039 | -.710 | 338 | .071 | .017 | .127 | 0.000 |
| 282 | -.211 | .079 | .007 | -.973 | 339 | -.193 | .042 | -.072 | -.348 |
| 283 | -.203 | .065 | .009 | -.887 | 340 | -.199 | .039 | -.089 | -.361 |
| 284 | -.206 | .065 | -.033 | -.559 | 341 | -.174 | .041 | -.056 | -.309 |
| 285 | -.215 | .066 | -.026 | -.600 | 342 | -.177 | .036 | -.072 | -.295 |

WIND ENGINEERING STUDY OF FLUOR HEADQUARTERS BUILDING
IRVINE, CALIFORNIA

WIND DIRECTION=225

| PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT | PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT |
|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|
| 1 | -.244 | .065 | -.053 | -.532 | 58 | -.382 | .183 | -.069 | -1.086 |
| 2 | -.277 | .089 | -.003 | -.647 | 59 | -.575 | .155 | -.045 | -1.282 |
| 3 | -.262 | .080 | -.007 | -.603 | 60 | -.607 | .125 | -.246 | -1.203 |
| 4 | -.269 | .076 | .020 | -.630 | 61 | -.225 | .056 | -.032 | -.564 |
| 5 | -.283 | .079 | -.062 | -.679 | 62 | -.207 | .077 | .039 | -.653 |
| 6 | -.283 | .059 | -.119 | -.557 | 63 | -.230 | .117 | -.006 | -.948 |
| 7 | -.234 | .052 | -.085 | -.450 | 64 | -.372 | .169 | -.037 | -1.020 |
| 8 | -.259 | .065 | -.050 | -.594 | 65 | -.523 | .146 | -.033 | -1.154 |
| 9 | -.264 | .069 | -.066 | -.580 | 66 | -.575 | .125 | -.220 | -1.246 |
| 10 | -.265 | .059 | -.094 | -.611 | 67 | -.223 | .052 | -.072 | -.470 |
| 11 | -.243 | .041 | -.106 | -.413 | 68 | -.182 | .063 | .017 | -.538 |
| 12 | -.251 | .044 | -.118 | -.443 | 69 | -.189 | .108 | .046 | -.799 |
| 13 | -.258 | .056 | -.118 | -.571 | 70 | -.312 | .153 | .020 | -.888 |
| 14 | -.243 | .046 | -.135 | -.478 | 71 | -.480 | .159 | -.039 | -1.098 |
| 15 | -.247 | .042 | -.114 | -.442 | 72 | -.497 | .151 | -.118 | -1.181 |
| 16 | -.235 | .035 | -.118 | -.361 | 73 | -.483 | .100 | -.113 | -.899 |
| 17 | -.243 | .042 | -.105 | -.494 | 74 | -.312 | .106 | .032 | -.779 |
| 18 | -.233 | .044 | -.101 | -.460 | 75 | -.322 | .113 | .140 | -.756 |
| 19 | -.259 | .059 | -.122 | -.580 | 76 | -.428 | .123 | -.005 | -.917 |
| 20 | -.240 | .048 | -.106 | -.430 | 77 | -.485 | .129 | .015 | -.919 |
| 21 | -.239 | .044 | -.089 | -.432 | 78 | -.336 | .133 | .231 | -.771 |
| 22 | -.246 | .048 | -.119 | -.466 | 79 | -.302 | .106 | .050 | -.758 |
| 23 | -.230 | .042 | -.109 | -.422 | 80 | .097 | .092 | .499 | -.157 |
| 24 | -.245 | .049 | -.115 | -.514 | 81 | .183 | .110 | .555 | -.110 |
| 25 | -.251 | .065 | -.098 | -.600 | 82 | .256 | .125 | .628 | -.081 |
| 26 | -.224 | .046 | -.092 | -.485 | 83 | .258 | .122 | .665 | -.081 |
| 27 | -.232 | .051 | -.086 | -.485 | 84 | .279 | .161 | .746 | -.390 |
| 28 | -.227 | .053 | -.069 | -.483 | 85 | -.300 | .089 | .038 | -.624 |
| 29 | -.252 | .051 | -.088 | -.465 | 86 | .074 | .086 | .441 | -.155 |
| 30 | -.263 | .055 | -.108 | -.509 | 87 | .208 | .076 | .564 | .030 |
| 31 | -.171 | .048 | -.014 | -.387 | 88 | .289 | .105 | .773 | .043 |
| 32 | -.194 | .042 | -.007 | -.413 | 89 | .332 | .112 | .788 | .056 |
| 33 | -.236 | .049 | -.112 | -.447 | 90 | .288 | .078 | .609 | .040 |
| 34 | -.251 | .050 | -.125 | -.482 | 91 | -.279 | .083 | -.009 | -.578 |
| 35 | -.247 | .053 | -.119 | -.476 | 92 | .032 | .082 | .388 | -.176 |
| 36 | .007 | .033 | .079 | -.148 | 93 | .166 | .072 | .396 | .015 |
| 37 | -.303 | .067 | -.140 | -.630 | 94 | .269 | .099 | .685 | .055 |
| 38 | -.268 | .077 | -.023 | -.607 | 95 | .309 | .106 | .889 | .078 |
| 39 | -.310 | .085 | -.058 | -.686 | 96 | .296 | .139 | .969 | -.184 |
| 40 | -.374 | .107 | -.091 | -.945 | 97 | -.273 | .086 | .008 | -.680 |
| 41 | -.379 | .103 | -.114 | -.954 | 98 | .027 | .078 | .291 | -.167 |
| 42 | -.672 | .177 | -.271 | -1.380 | 99 | .160 | .084 | .533 | -.029 |
| 43 | -.250 | .040 | -.136 | -.425 | 100 | .237 | .089 | .578 | .037 |
| 44 | -.183 | .034 | -.030 | -.341 | 101 | .269 | .095 | .674 | .012 |
| 45 | -.187 | .041 | -.041 | -.437 | 102 | .280 | .132 | .721 | -.303 |
| 46 | -.231 | .060 | -.065 | -.586 | 103 | -.245 | .084 | .009 | -.634 |
| 47 | -.404 | .149 | -.091 | -1.039 | 104 | .037 | .067 | .332 | -.142 |
| 48 | -.822 | .235 | -.300 | -1.900 | 105 | .178 | .080 | .491 | -.005 |
| 49 | -.219 | .039 | -.081 | -.418 | 106 | .280 | .086 | .641 | .093 |
| 50 | -.181 | .044 | .088 | -.502 | 107 | .324 | .098 | .761 | .068 |
| 51 | -.191 | .073 | -.024 | -.624 | 108 | .289 | .091 | .644 | -.035 |
| 52 | -.323 | .179 | -.027 | -1.094 | 109 | -.456 | .142 | .116 | -.901 |
| 53 | -.613 | .195 | -.068 | -1.167 | 110 | -.558 | .139 | .100 | -.963 |
| 54 | -.689 | .140 | -.303 | -1.220 | 111 | -.509 | .130 | -.040 | -.908 |
| 55 | -.220 | .045 | -.069 | -.502 | 112 | -.477 | .122 | .033 | -1.021 |
| 56 | -.197 | .060 | .081 | -.603 | 113 | -.471 | .115 | -.058 | -.884 |
| 57 | -.218 | .111 | .006 | -.896 | 114 | -.495 | .120 | -.068 | -.921 |

WIND ENGINEERING STUDY OF FLUOR HEADQUARTERS BUILDING
IRVINE, CALIFORNIA

WIND DIRECTION=225

| PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT | PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT |
|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|
| 115 | .324 | .144 | .797 | -.078 | 172 | -.029 | .045 | .134 | -.360 |
| 116 | .304 | .145 | .761 | -.067 | 173 | -.062 | .031 | .071 | -.189 |
| 117 | .259 | .137 | .700 | -.044 | 174 | -.136 | .024 | -.033 | -.221 |
| 118 | .251 | .131 | .671 | -.070 | 175 | -.173 | .133 | .210 | -.793 |
| 119 | .218 | .120 | .694 | -.088 | 176 | -.069 | .154 | .313 | -.610 |
| 120 | .006 | .111 | .507 | -.333 | 177 | .027 | .080 | .274 | -.421 |
| 121 | .400 | .144 | .876 | -.009 | 178 | .010 | .043 | .189 | -.258 |
| 122 | .444 | .140 | .937 | .142 | 179 | -.042 | .034 | .108 | -.224 |
| 123 | .422 | .126 | .890 | .099 | 180 | -.128 | .024 | -.045 | -.223 |
| 124 | .368 | .122 | .800 | .046 | 181 | -.165 | .025 | -.089 | -.253 |
| 125 | .259 | .114 | .704 | -.021 | 182 | -.166 | .024 | -.095 | -.255 |
| 126 | .022 | .111 | .379 | -.303 | 183 | -.162 | .026 | -.071 | -.277 |
| 127 | .383 | .122 | .834 | .018 | 184 | -.170 | .024 | -.100 | -.285 |
| 128 | .400 | .113 | .851 | .114 | 185 | -.150 | .028 | -.045 | -.246 |
| 129 | .367 | .107 | .835 | .110 | 186 | -.167 | .025 | -.096 | -.288 |
| 130 | .337 | .102 | .758 | .117 | 187 | -.156 | .026 | -.073 | -.255 |
| 131 | .243 | .102 | .729 | .029 | 188 | -.160 | .024 | -.090 | -.250 |
| 132 | -.033 | .120 | .523 | -.437 | 189 | -.155 | .023 | -.084 | -.242 |
| 133 | .343 | .113 | .834 | -.054 | 190 | -.162 | .024 | -.098 | -.246 |
| 134 | .370 | .105 | .798 | .111 | 191 | -.170 | .025 | -.092 | -.261 |
| 135 | .338 | .102 | .729 | .122 | 192 | -.171 | .025 | -.093 | -.254 |
| 136 | .293 | .096 | .689 | .076 | 193 | -.161 | .025 | -.092 | -.250 |
| 137 | .206 | .088 | .566 | -.009 | 194 | -.172 | .025 | -.105 | -.265 |
| 138 | -.036 | .105 | .392 | -.312 | 195 | -.175 | .025 | -.106 | -.271 |
| 139 | .327 | .098 | .821 | .103 | 196 | -.178 | .026 | -.106 | -.287 |
| 140 | .364 | .104 | .802 | .150 | 197 | -.158 | .025 | -.083 | -.243 |
| 141 | .365 | .104 | .793 | .153 | 198 | -.172 | .024 | -.103 | -.265 |
| 142 | .320 | .098 | .782 | .115 | 199 | -.172 | .026 | -.108 | -.317 |
| 143 | .220 | .086 | .590 | .035 | 200 | -.175 | .028 | -.093 | -.307 |
| 144 | .009 | .099 | .364 | -.370 | 201 | -.157 | .026 | -.089 | -.285 |
| 145 | -.547 | .130 | -.175 | -1.182 | 202 | -.170 | .025 | -.096 | -.287 |
| 146 | -.437 | .136 | -.044 | -.959 | 203 | -.168 | .027 | -.105 | -.317 |
| 147 | -.433 | .119 | -.035 | -1.057 | 204 | -.171 | .022 | -.102 | -.264 |
| 148 | -.355 | .096 | -.066 | -.855 | 205 | -.169 | .022 | -.103 | -.255 |
| 149 | -.292 | .073 | -.073 | -.609 | 206 | -.163 | .021 | -.098 | -.246 |
| 150 | -.281 | .053 | -.109 | -.568 | 207 | -.170 | .021 | -.098 | -.240 |
| 151 | -.443 | .182 | .217 | -1.051 | 208 | -.175 | .024 | -.080 | -.262 |
| 152 | -.091 | .122 | .265 | -.668 | 209 | -.167 | .023 | -.097 | -.268 |
| 153 | -.046 | .056 | .175 | -.330 | 210 | -.170 | .023 | -.094 | -.272 |
| 154 | -.053 | .051 | .150 | -.240 | 211 | -.180 | .023 | -.105 | -.280 |
| 155 | -.092 | .042 | .086 | -.211 | 212 | -.188 | .026 | -.094 | -.280 |
| 156 | -.234 | .041 | -.096 | -.397 | 213 | -.168 | .025 | -.088 | -.249 |
| 157 | -.357 | .176 | .216 | -1.051 | 214 | -.168 | .023 | -.087 | -.261 |
| 158 | -.088 | .177 | .290 | -.906 | 215 | -.163 | .024 | -.065 | -.244 |
| 159 | -.006 | .071 | .243 | -.483 | 216 | -.166 | .028 | -.035 | -.264 |
| 160 | -.020 | .050 | .215 | -.227 | 217 | -.166 | .025 | -.087 | -.281 |
| 161 | -.059 | .038 | .121 | -.179 | 218 | -.162 | .024 | -.072 | -.255 |
| 162 | -.128 | .025 | -.033 | -.218 | 219 | -.152 | .025 | -.066 | -.237 |
| 163 | -.352 | .175 | .336 | -.980 | 220 | -.152 | .029 | -.035 | -.250 |
| 164 | -.137 | .199 | .342 | -1.034 | 221 | -.174 | .028 | -.072 | -.284 |
| 165 | -.019 | .087 | .282 | -.652 | 222 | -.175 | .029 | -.052 | -.275 |
| 166 | -.024 | .049 | .215 | -.368 | 223 | -.174 | .028 | -.075 | -.281 |
| 167 | -.064 | .033 | .077 | -.181 | 224 | -.170 | .028 | -.063 | -.275 |
| 168 | -.139 | .025 | .012 | -.226 | 225 | -.188 | .031 | -.085 | -.292 |
| 169 | -.301 | .135 | .103 | -.866 | 226 | -.187 | .028 | -.084 | -.286 |
| 170 | -.138 | .166 | .248 | -.764 | 227 | -.175 | .024 | -.091 | -.267 |
| 171 | -.034 | .093 | .176 | -.702 | 228 | -.169 | .024 | -.044 | -.250 |

WIND ENGINEERING STUDY OF FLUOR HEADQUARTERS BUILDING
IRVINE, CALIFORNIA

WIND DIRECTION=225

| PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT | PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT |
|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|
| 229 | -.165 | .034 | -.043 | -.295 | 286 | -.259 | .064 | -.088 | -.651 |
| 230 | -.173 | .030 | -.057 | -.268 | 287 | -.229 | .049 | -.060 | -.513 |
| 231 | -.173 | .031 | -.060 | -.314 | 288 | -.214 | .035 | -.098 | -.386 |
| 232 | -.158 | .030 | -.034 | -.256 | 289 | -.210 | .035 | -.065 | -.380 |
| 233 | -.157 | .026 | -.052 | -.240 | 290 | -.223 | .046 | -.084 | -.504 |
| 234 | -.159 | .024 | -.084 | -.242 | 291 | -.229 | .044 | -.089 | -.406 |
| 235 | -.170 | .025 | -.091 | -.252 | 292 | -.237 | .053 | -.079 | -.592 |
| 236 | -.172 | .024 | -.097 | -.256 | 293 | -.232 | .043 | -.094 | -.419 |
| 237 | -.166 | .024 | -.074 | -.243 | 294 | -.232 | .043 | -.101 | -.462 |
| 238 | -.232 | .038 | -.127 | -.389 | 295 | -.236 | .037 | -.111 | -.403 |
| 239 | -.176 | .028 | -.082 | -.268 | 296 | -.242 | .038 | -.137 | -.416 |
| 240 | -.223 | .040 | -.080 | -.445 | 298 | -.256 | .054 | -.091 | -.500 |
| 241 | -.167 | .031 | -.062 | -.267 | 299 | -.175 | .057 | -.006 | -.432 |
| 242 | -.217 | .042 | -.063 | -.409 | 300 | -.407 | .113 | -.039 | -.813 |
| 243 | -.179 | .026 | -.093 | -.274 | 301 | -.597 | .125 | -.164 | -1.048 |
| 244 | -.205 | .033 | -.106 | -.365 | 302 | -.698 | .149 | -.284 | -1.241 |
| 245 | -.254 | .049 | -.089 | -.580 | 303 | -.585 | .111 | -.262 | -1.124 |
| 246 | -.252 | .060 | -.060 | -.638 | 304 | -.591 | .104 | -.227 | -1.130 |
| 247 | -.244 | .065 | -.019 | -.561 | 305 | -.605 | .113 | -.269 | -1.111 |
| 248 | -.201 | .057 | -.016 | -.485 | 306 | -.399 | .175 | .344 | -.949 |
| 249 | -.204 | .062 | -.010 | -.520 | 307 | -.160 | .053 | .023 | -.459 |
| 250 | -.203 | .061 | -.023 | -.530 | 308 | -.183 | .061 | .030 | -.553 |
| 251 | -.240 | .044 | -.119 | -.428 | 309 | -.097 | .042 | .046 | -.348 |
| 252 | -.243 | .050 | -.085 | -.474 | 310 | -.280 | .072 | -.086 | -.614 |
| 253 | -.214 | .046 | -.055 | -.419 | 311 | -.264 | .064 | -.072 | -.545 |
| 254 | -.191 | .045 | .027 | -.389 | 312 | -.357 | .101 | .096 | -.764 |
| 255 | -.189 | .044 | .024 | -.412 | 313 | -.323 | .088 | .036 | -.639 |
| 256 | -.191 | .047 | -.013 | -.425 | 314 | .024 | .242 | .616 | -.799 |
| 257 | -.266 | .047 | -.138 | -.442 | 315 | -.223 | .216 | .540 | -.826 |
| 258 | -.234 | .038 | -.130 | -.380 | 316 | -.350 | .223 | .429 | -1.117 |
| 259 | -.223 | .034 | -.108 | -.389 | 317 | -.512 | .134 | .035 | -.954 |
| 260 | -.214 | .040 | -.089 | -.392 | 318 | -.073 | .149 | .358 | -.645 |
| 261 | -.203 | .038 | -.092 | -.392 | 319 | -.120 | .155 | .367 | -.584 |
| 262 | -.208 | .040 | -.089 | -.400 | 320 | -.233 | .061 | -.043 | -.514 |
| 263 | -.217 | .060 | -.056 | -.657 | 321 | -.186 | .048 | -.052 | -.430 |
| 264 | -.211 | .058 | -.040 | -.551 | 322 | -.293 | .071 | -.086 | -.583 |
| 265 | -.210 | .062 | -.032 | -.521 | 323 | -.271 | .061 | -.082 | -.509 |
| 266 | -.218 | .073 | -.033 | -.665 | 324 | -.201 | .059 | -.049 | -.470 |
| 267 | -.234 | .067 | -.032 | -.672 | 325 | -.191 | .055 | -.039 | -.406 |
| 268 | -.246 | .059 | -.068 | -.602 | 326 | -.354 | .060 | -.122 | -.580 |
| 269 | -.198 | .046 | -.035 | -.485 | 327 | -.219 | .034 | -.072 | -.373 |
| 270 | -.195 | .045 | -.048 | -.399 | 328 | -.177 | .040 | -.042 | -.356 |
| 271 | -.201 | .045 | -.068 | -.475 | 329 | -.198 | .032 | -.107 | -.317 |
| 272 | -.196 | .049 | -.066 | -.563 | 330 | -.161 | .025 | -.072 | -.253 |
| 273 | -.040 | .040 | .053 | -.530 | 331 | -.225 | .033 | -.140 | -.353 |
| 274 | -.211 | .049 | -.059 | -.537 | 332 | -.182 | .027 | -.086 | -.278 |
| 276 | -.205 | .042 | -.102 | -.384 | 333 | -.225 | .043 | -.105 | -.386 |
| 277 | -.201 | .038 | -.091 | -.382 | 334 | -.173 | .039 | 0.000 | -.294 |
| 278 | -.199 | .039 | -.073 | -.396 | 335 | -.218 | .056 | -.053 | -.511 |
| 279 | -.205 | .038 | -.081 | -.394 | 336 | -.155 | .058 | .128 | -.405 |
| 280 | -.211 | .038 | -.040 | -.389 | 337 | -.159 | .029 | -.062 | -.256 |
| 281 | -.260 | .064 | -.085 | -.576 | 338 | .074 | .014 | .114 | .030 |
| 282 | -.226 | .047 | -.078 | -.501 | 339 | -.165 | .023 | -.072 | -.258 |
| 283 | -.219 | .043 | -.075 | -.521 | 340 | -.181 | .024 | -.087 | -.264 |
| 284 | -.257 | .071 | -.082 | -.749 | 341 | -.142 | .023 | -.071 | -.227 |
| 285 | -.260 | .068 | -.089 | -.652 | 342 | -.188 | .028 | -.081 | -.300 |

WIND ENGINEERING STUDY OF FLUOR HEADQUARTERS BUILDING
IRVINE, CALIFORNIA

WIND DIRECTION=240

| PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT | PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT |
|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|
| 1 | -.240 | .086 | .037 | -.864 | 58 | -.026 | .081 | .205 | -.558 |
| 2 | -.265 | .097 | .108 | -.752 | 59 | -.118 | .194 | .281 | -.835 |
| 3 | -.281 | .042 | -.156 | -.423 | 60 | -.361 | .169 | .156 | -.922 |
| 4 | -.295 | .077 | -.055 | -.637 | 61 | -.199 | .042 | -.076 | -.385 |
| 5 | -.287 | .065 | -.083 | -.556 | 62 | -.097 | .037 | .046 | -.273 |
| 6 | -.277 | .053 | -.102 | -.500 | 63 | -.045 | .042 | .142 | -.251 |
| 7 | -.229 | .067 | -.040 | -.656 | 64 | -.046 | .085 | .233 | -.455 |
| 8 | -.251 | .068 | -.022 | -.573 | 65 | -.146 | .170 | .290 | -.755 |
| 9 | -.277 | .075 | -.049 | -.657 | 66 | -.326 | .143 | .092 | -.876 |
| 10 | -.280 | .064 | -.095 | -.597 | 67 | -.189 | .039 | -.050 | -.343 |
| 11 | -.253 | .052 | -.092 | -.471 | 68 | -.087 | .034 | .076 | -.223 |
| 12 | -.256 | .049 | -.109 | -.454 | 69 | -.013 | .043 | .162 | -.304 |
| 13 | -.275 | .094 | .040 | -.780 | 70 | .004 | .081 | .220 | -.482 |
| 14 | -.262 | .062 | -.011 | -.556 | 71 | -.075 | .152 | .303 | -.670 |
| 15 | -.258 | .062 | .003 | -.702 | 72 | -.212 | .149 | .271 | -.840 |
| 16 | -.239 | .046 | -.105 | -.449 | 73 | -.465 | .112 | -.111 | -.902 |
| 17 | -.236 | .045 | -.089 | -.419 | 74 | -.415 | .122 | .061 | -.847 |
| 18 | -.240 | .043 | -.118 | -.464 | 75 | -.414 | .127 | .121 | -.823 |
| 19 | -.287 | .088 | .017 | -.455 | 76 | -.455 | .127 | .031 | -.864 |
| 20 | -.263 | .062 | .020 | -.599 | 77 | -.510 | .132 | -.027 | -.966 |
| 21 | -.275 | .062 | -.113 | -.680 | 78 | -.371 | .140 | .134 | -.810 |
| 22 | -.274 | .055 | -.118 | -.635 | 79 | -.019 | .121 | .459 | -.389 |
| 23 | -.250 | .046 | -.105 | -.538 | 80 | .248 | .109 | .691 | -.037 |
| 24 | -.252 | .046 | -.096 | -.459 | 81 | .295 | .103 | .676 | .026 |
| 25 | -.270 | .092 | -.033 | -.758 | 82 | .353 | .132 | .884 | .029 |
| 26 | -.253 | .056 | -.112 | -.533 | 83 | .383 | .139 | .778 | .008 |
| 27 | -.270 | .048 | -.162 | -.491 | 84 | .384 | .147 | .850 | -.087 |
| 28 | -.254 | .051 | -.141 | -.647 | 85 | -.009 | .124 | .670 | -.353 |
| 29 | -.271 | .055 | -.134 | -.500 | 86 | .307 | .120 | .815 | .005 |
| 30 | -.271 | .055 | -.135 | -.494 | 87 | .344 | .098 | .723 | .108 |
| 31 | -.115 | .064 | .125 | -.401 | 88 | .414 | .128 | .885 | .118 |
| 32 | -.195 | .068 | .115 | -.521 | 89 | .423 | .121 | .827 | .136 |
| 33 | -.263 | .067 | -.102 | -.950 | 90 | .324 | .078 | .588 | .156 |
| 34 | -.276 | .060 | -.145 | -.637 | 91 | -.017 | .106 | .531 | -.365 |
| 35 | -.262 | .058 | -.116 | -.561 | 92 | .236 | .099 | .583 | -.067 |
| 36 | .007 | .031 | .080 | -.168 | 93 | .327 | .096 | .675 | .047 |
| 37 | -.296 | .057 | -.104 | -.589 | 94 | .395 | .112 | .800 | .101 |
| 38 | -.329 | .080 | -.014 | -.688 | 95 | .402 | .112 | .904 | .163 |
| 39 | -.377 | .071 | -.107 | -.669 | 96 | .380 | .112 | .785 | .040 |
| 40 | -.437 | .117 | -.058 | -.937 | 97 | -.045 | .099 | .375 | -.380 |
| 41 | -.413 | .129 | -.078 | -1.064 | 98 | .199 | .089 | .598 | -.037 |
| 42 | -.525 | .127 | -.197 | -1.058 | 99 | .306 | .088 | .704 | .092 |
| 43 | -.217 | .042 | -.064 | -.363 | 100 | .343 | .091 | .685 | .105 |
| 44 | -.092 | .048 | .111 | -.227 | 101 | .348 | .094 | .723 | .099 |
| 45 | -.065 | .054 | .157 | -.218 | 102 | .331 | .102 | .710 | .072 |
| 46 | -.062 | .058 | .157 | -.362 | 103 | .006 | .110 | .429 | -.330 |
| 47 | -.095 | .045 | .145 | -.598 | 104 | .220 | .092 | .650 | .006 |
| 48 | -.427 | .177 | .136 | -1.255 | 105 | .323 | .098 | .791 | .121 |
| 49 | -.191 | .039 | -.055 | -.345 | 106 | .379 | .097 | .844 | .154 |
| 50 | -.091 | .041 | .076 | -.230 | 107 | .379 | .106 | .797 | .133 |
| 51 | -.038 | .045 | .148 | -.205 | 108 | .311 | .086 | .646 | .124 |
| 52 | -.006 | .070 | .256 | -.388 | 109 | -.449 | .129 | .089 | -.936 |
| 53 | -.107 | .184 | .322 | -.878 | 110 | -.565 | .141 | .002 | -1.117 |
| 54 | -.393 | .186 | .165 | -1.274 | 111 | -.481 | .124 | -.056 | -.917 |
| 55 | -.146 | .037 | -.083 | -.343 | 112 | -.377 | .108 | .006 | -.725 |
| 56 | -.100 | .039 | .034 | -.227 | 113 | -.341 | .096 | .009 | -.719 |
| 57 | -.034 | .046 | .125 | -.230 | 114 | -.464 | .103 | -.113 | -.864 |

WIND ENGINEERING STUDY OF FLUOK HEADQUARTERS BUILDING
IRVINE, CALIFORNIA

WIND DIRECTION=240

| PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT | PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT |
|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|
| 115 | .234 | .160 | .780 | -.412 | 172 | -.229 | .131 | .122 | -.917 |
| 116 | .212 | .119 | .640 | -.108 | 173 | -.165 | .079 | .028 | -.681 |
| 117 | .161 | .108 | .516 | -.119 | 174 | -.171 | .056 | -.006 | -.908 |
| 118 | .136 | .102 | .482 | -.111 | 175 | -.465 | .147 | -.083 | -1.291 |
| 119 | .064 | .093 | .519 | -.226 | 176 | -.456 | .155 | -.061 | -1.214 |
| 120 | -.246 | .098 | .171 | -.653 | 177 | -.300 | .172 | .058 | -1.087 |
| 121 | .310 | .147 | .873 | -.330 | 178 | -.173 | .132 | .124 | -.847 |
| 122 | .335 | .112 | .882 | .056 | 179 | -.132 | .074 | .086 | -.721 |
| 123 | .286 | .110 | .826 | .020 | 180 | -.153 | .047 | .022 | -.533 |
| 124 | .204 | .099 | .649 | -.044 | 181 | -.171 | .035 | -.064 | -.301 |
| 125 | .061 | .085 | .377 | -.159 | 182 | -.175 | .037 | -.086 | -.316 |
| 126 | -.204 | .077 | .104 | -.485 | 183 | -.160 | .035 | -.052 | -.290 |
| 127 | .315 | .149 | .812 | -.324 | 184 | -.164 | .035 | -.070 | -.290 |
| 128 | .321 | .104 | .746 | .056 | 185 | -.149 | .036 | -.051 | -.304 |
| 129 | .263 | .093 | .644 | .020 | 186 | -.163 | .035 | -.047 | -.293 |
| 130 | .195 | .087 | .560 | -.034 | 187 | -.162 | .039 | -.045 | -.357 |
| 131 | .045 | .077 | .409 | -.146 | 188 | -.168 | .039 | -.074 | -.314 |
| 132 | -.266 | .080 | -.007 | -.584 | 189 | -.158 | .039 | -.051 | -.285 |
| 133 | .261 | .132 | .726 | -.250 | 190 | -.169 | .039 | -.073 | -.301 |
| 134 | .274 | .095 | .702 | -.062 | 191 | -.174 | .036 | -.086 | -.310 |
| 135 | .237 | .090 | .648 | .007 | 192 | -.176 | .035 | -.090 | -.306 |
| 136 | .157 | .084 | .536 | -.052 | 193 | -.162 | .036 | -.067 | -.285 |
| 137 | .033 | .078 | .374 | -.153 | 194 | -.178 | .038 | -.080 | -.312 |
| 138 | -.273 | .085 | .033 | -.643 | 195 | -.175 | .037 | -.092 | -.332 |
| 139 | .270 | .116 | .744 | -.227 | 196 | -.181 | .037 | -.096 | -.338 |
| 140 | .291 | .093 | .677 | -.019 | 197 | -.158 | .037 | -.070 | -.323 |
| 141 | .247 | .085 | .625 | .048 | 198 | -.171 | .038 | -.084 | -.336 |
| 142 | .164 | .078 | .528 | -.026 | 199 | -.178 | .041 | -.086 | -.309 |
| 143 | .023 | .066 | .341 | -.144 | 200 | -.184 | .039 | -.083 | -.338 |
| 144 | -.247 | .083 | .057 | -.556 | 201 | -.162 | .040 | -.055 | -.316 |
| 145 | -.701 | .174 | -.231 | -1.574 | 202 | -.164 | .034 | -.077 | -.322 |
| 146 | -.395 | .109 | -.061 | -1.157 | 203 | -.176 | .042 | -.074 | -.357 |
| 147 | -.365 | .115 | -.079 | -1.034 | 204 | -.169 | .036 | -.077 | -.341 |
| 148 | -.299 | .092 | -.074 | -.702 | 205 | -.166 | .032 | -.083 | -.288 |
| 149 | -.243 | .070 | -.022 | -.546 | 206 | -.153 | .030 | -.058 | -.258 |
| 150 | -.267 | .062 | -.090 | -.585 | 207 | -.161 | .029 | -.067 | -.291 |
| 151 | -.750 | .191 | -.278 | -1.403 | 208 | -.176 | .039 | -.071 | -.416 |
| 152 | -.481 | .185 | -.058 | -1.149 | 209 | -.179 | .036 | -.087 | -.305 |
| 153 | -.237 | .086 | -.054 | -.789 | 210 | -.183 | .034 | -.090 | -.299 |
| 154 | -.181 | .060 | -.045 | -.603 | 211 | -.185 | .033 | -.082 | -.310 |
| 155 | -.177 | .038 | -.032 | -.386 | 212 | -.189 | .039 | -.088 | -.366 |
| 156 | -.247 | .054 | -.116 | -.531 | 213 | -.187 | .035 | -.097 | -.331 |
| 157 | -.604 | .127 | -.304 | -1.106 | 214 | -.182 | .038 | -.062 | -.316 |
| 158 | -.560 | .173 | .012 | -1.076 | 215 | -.162 | .033 | -.041 | -.334 |
| 159 | -.347 | .175 | 0.000 | -1.028 | 216 | -.157 | .035 | -.050 | -.406 |
| 160 | -.190 | .091 | 0.000 | -.699 | 217 | -.177 | .033 | -.071 | -.288 |
| 161 | -.150 | .049 | .009 | -.549 | 218 | -.171 | .034 | -.026 | -.309 |
| 162 | -.158 | .034 | -.047 | -.384 | 219 | -.156 | .036 | -.044 | -.313 |
| 163 | -.564 | .126 | -.211 | -1.176 | 220 | -.149 | .032 | -.016 | -.334 |
| 164 | -.531 | .154 | -.035 | -1.182 | 221 | -.167 | .032 | -.078 | -.316 |
| 165 | -.362 | .175 | -.029 | -.981 | 222 | -.161 | .029 | -.062 | -.278 |
| 166 | -.227 | .132 | .039 | -.836 | 223 | -.146 | .027 | -.038 | -.231 |
| 167 | -.165 | .071 | .029 | -.552 | 224 | -.139 | .027 | -.035 | -.222 |
| 168 | -.159 | .046 | .019 | -.510 | 225 | -.169 | .030 | -.071 | -.294 |
| 169 | -.498 | .126 | -.198 | -1.169 | 226 | -.161 | .025 | -.054 | -.232 |
| 170 | -.491 | .141 | -.063 | -1.125 | 227 | -.157 | .025 | -.074 | -.266 |
| 171 | -.372 | .167 | -.044 | -1.152 | 228 | -.147 | .027 | -.044 | -.247 |

WIND ENGINEERING STUDY OF FLUOR HEADQUARTERS BUILDING
IRVINE, CALIFORNIA

WIND DIRECTION=240

| PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT | PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT |
|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|
| 229 | -.158 | .035 | -.049 | -.312 | 286 | -.260 | .088 | .009 | -.681 |
| 230 | -.164 | .030 | -.065 | -.288 | 287 | -.215 | .054 | -.038 | -.574 |
| 231 | -.158 | .031 | -.075 | -.293 | 288 | -.235 | .085 | -.049 | -.900 |
| 232 | -.145 | .033 | -.041 | -.282 | 289 | -.230 | .088 | .004 | -.739 |
| 233 | -.142 | .031 | -.007 | -.250 | 290 | -.216 | .061 | -.013 | -.545 |
| 234 | -.153 | .026 | -.056 | -.243 | 291 | -.214 | .057 | -.032 | -.490 |
| 235 | -.146 | .029 | -.038 | -.259 | 292 | -.233 | .065 | -.041 | -.597 |
| 236 | -.147 | .028 | -.041 | -.255 | 293 | -.232 | .052 | -.061 | -.430 |
| 237 | -.134 | .030 | -.010 | -.243 | 294 | -.232 | .057 | -.065 | -.491 |
| 238 | -.216 | .049 | -.044 | -.421 | 295 | -.237 | .063 | -.065 | -.490 |
| 239 | -.151 | .030 | -.034 | -.263 | 296 | -.248 | .063 | -.062 | -.562 |
| 240 | -.199 | .049 | -.040 | -.430 | 298 | -.268 | .071 | -.033 | -.616 |
| 241 | -.143 | .034 | -.021 | -.253 | 299 | -.207 | .062 | -.036 | -.549 |
| 242 | -.213 | .048 | -.038 | -.435 | 300 | -.464 | .147 | .109 | -1.141 |
| 243 | -.154 | .030 | -.040 | -.275 | 301 | -.554 | .104 | -.229 | -1.029 |
| 244 | -.181 | .041 | -.019 | -.338 | 302 | -.633 | .122 | -.241 | -1.147 |
| 245 | -.272 | .074 | -.062 | -.688 | 303 | -.572 | .110 | -.212 | -1.080 |
| 246 | -.247 | .079 | -.017 | -.602 | 304 | -.572 | .101 | -.239 | -1.115 |
| 247 | -.215 | .069 | -.009 | -.541 | 305 | -.593 | .123 | -.120 | -1.094 |
| 248 | -.203 | .074 | .051 | -.525 | 306 | -.355 | .102 | .080 | -.778 |
| 249 | -.216 | .080 | .009 | -.612 | 307 | -.128 | .056 | .049 | -.455 |
| 250 | -.227 | .069 | -.045 | -.596 | 308 | -.167 | .048 | -.012 | -.365 |
| 251 | -.222 | .048 | -.097 | -.473 | 309 | -.094 | .057 | .103 | -.322 |
| 252 | -.228 | .053 | -.051 | -.491 | 310 | -.240 | .058 | -.013 | -.543 |
| 253 | -.202 | .053 | -.039 | -.484 | 311 | -.223 | .050 | -.006 | -.495 |
| 254 | -.195 | .056 | -.041 | -.545 | 312 | -.131 | .174 | .406 | -.677 |
| 255 | -.195 | .058 | -.028 | -.480 | 313 | -.183 | .149 | .442 | -.599 |
| 256 | -.200 | .056 | -.023 | -.545 | 314 | -.380 | .228 | .416 | -1.092 |
| 257 | -.248 | .056 | -.112 | -.507 | 315 | -.489 | .129 | .181 | -.929 |
| 258 | -.229 | .049 | -.074 | -.419 | 316 | .005 | .184 | .484 | -.899 |
| 259 | -.216 | .047 | -.088 | -.415 | 317 | -.186 | .186 | .386 | -.858 |
| 260 | -.214 | .048 | -.064 | -.439 | 318 | -.281 | .105 | .171 | -.721 |
| 261 | -.201 | .046 | -.080 | -.388 | 319 | -.280 | .096 | .099 | -.652 |
| 262 | -.210 | .048 | -.074 | -.416 | 320 | -.251 | .075 | -.032 | -.568 |
| 263 | -.234 | .065 | -.054 | -.509 | 321 | -.240 | .075 | -.011 | -.531 |
| 264 | -.229 | .066 | -.054 | -.546 | 322 | -.180 | .049 | -.027 | -.399 |
| 265 | -.218 | .063 | -.032 | -.655 | 323 | -.169 | .047 | -.030 | -.356 |
| 266 | -.211 | .057 | -.048 | -.787 | 324 | -.319 | .094 | -.083 | -.774 |
| 267 | -.222 | .055 | -.064 | -.610 | 325 | -.298 | .076 | -.080 | -.573 |
| 268 | -.242 | .074 | -.064 | -.649 | 326 | -.342 | .062 | -.162 | -.565 |
| 269 | -.205 | .057 | .003 | -.517 | 327 | -.199 | .029 | -.103 | -.367 |
| 270 | -.201 | .048 | -.046 | -.502 | 328 | -.140 | .038 | -.017 | -.317 |
| 271 | -.195 | .042 | -.033 | -.522 | 329 | -.203 | .034 | -.100 | -.355 |
| 272 | -.193 | .036 | -.074 | -.380 | 330 | -.152 | .024 | -.059 | -.262 |
| 273 | -.035 | .025 | .038 | -.158 | 331 | -.230 | .041 | -.087 | -.419 |
| 274 | -.208 | .051 | -.080 | -.522 | 332 | -.167 | .033 | -.064 | -.297 |
| 276 | -.205 | .046 | -.072 | -.407 | 333 | -.212 | .052 | -.038 | -.432 |
| 277 | -.201 | .042 | -.072 | -.387 | 334 | -.161 | .044 | .006 | -.303 |
| 278 | -.204 | .041 | -.070 | -.415 | 335 | -.194 | .066 | .054 | -.526 |
| 279 | -.206 | .039 | -.075 | -.423 | 336 | -.145 | .057 | .151 | -.316 |
| 280 | -.222 | .040 | -.093 | -.417 | 337 | -.136 | .031 | -.022 | -.245 |
| 281 | -.239 | .061 | -.080 | -.565 | 338 | .082 | .014 | .129 | .032 |
| 282 | -.243 | .080 | .026 | -.619 | 339 | -.158 | .025 | -.063 | -.243 |
| 283 | -.247 | .092 | .007 | -.817 | 340 | -.180 | .029 | -.081 | -.312 |
| 284 | -.241 | .080 | .001 | -.746 | 341 | -.147 | .029 | -.066 | -.238 |
| 285 | -.246 | .076 | .048 | -.609 | 342 | -.161 | .031 | -.040 | -.268 |

WIND ENGINEERING STUDY OF FLUOR HEADQUARTERS BUILDING
IRVINE, CALIFORNIA

WIND DIRECTION=255

| PRFSSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT | PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT |
|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|
| 1 | -.255 | .081 | -.027 | -.730 | 58 | .143 | .082 | .452 | -.069 |
| 2 | -.255 | .088 | .101 | -.732 | 59 | .178 | .113 | .596 | -.433 |
| 3 | -.305 | .092 | .026 | -.776 | 60 | .030 | .195 | .684 | -.674 |
| 4 | -.414 | .107 | -.096 | -1.020 | 61 | -.246 | .063 | -.045 | -.464 |
| 5 | -.458 | .118 | -.079 | -1.153 | 62 | -.048 | .050 | .168 | -.199 |
| 6 | -.459 | .122 | -.171 | -1.051 | 63 | .053 | .055 | .343 | -.068 |
| 7 | -.220 | .074 | .039 | -.678 | 64 | .111 | .068 | .416 | -.118 |
| 8 | -.251 | .088 | .044 | -.665 | 65 | .142 | .098 | .474 | -.393 |
| 9 | -.337 | .108 | .016 | -.834 | 66 | -0.000 | .165 | .494 | -.635 |
| 10 | -.444 | .110 | -.043 | -.868 | 67 | -.243 | .070 | -.040 | -.524 |
| 11 | -.496 | .117 | -.223 | -.972 | 68 | -.044 | .049 | .174 | -.225 |
| 12 | -.510 | .137 | -.189 | -1.174 | 69 | .085 | .057 | .304 | -.058 |
| 13 | -.243 | .139 | .114 | -.903 | 70 | .158 | .067 | .438 | .009 |
| 14 | -.272 | .108 | .076 | -.755 | 71 | .154 | .090 | .557 | -.204 |
| 15 | -.348 | .118 | .086 | -.815 | 72 | .040 | .141 | .537 | -.544 |
| 16 | -.394 | .099 | -.045 | -.824 | 73 | -.435 | .135 | .147 | -.999 |
| 17 | -.409 | .102 | -.193 | -.841 | 74 | -.452 | .138 | .116 | -.907 |
| 18 | -.401 | .090 | -.179 | -.772 | 75 | -.473 | .132 | .084 | -.952 |
| 19 | -.268 | .155 | .190 | -1.025 | 76 | -.484 | .130 | -.009 | -.990 |
| 20 | -.272 | .111 | .039 | -.685 | 77 | -.500 | .143 | -.018 | -1.105 |
| 21 | -.380 | .127 | .056 | -.926 | 78 | -.418 | .143 | .142 | -1.128 |
| 22 | -.427 | .111 | -.117 | -.962 | 79 | .235 | .144 | .718 | -.245 |
| 23 | -.401 | .092 | -.167 | -.888 | 80 | .339 | .133 | .750 | .002 |
| 24 | -.392 | .094 | -.150 | -.912 | 81 | .338 | .134 | .738 | 0.000 |
| 25 | -.200 | .105 | .117 | -.946 | 82 | .357 | .143 | .855 | -.018 |
| 26 | -.238 | .126 | .094 | -.814 | 83 | .333 | .133 | .829 | .002 |
| 27 | -.352 | .129 | .032 | -.893 | 84 | .225 | .136 | .898 | -.188 |
| 28 | -.407 | .121 | -.049 | -1.020 | 85 | .251 | .140 | .754 | -.170 |
| 29 | -.441 | .107 | -.202 | -1.018 | 86 | .419 | .131 | .894 | .075 |
| 30 | -.428 | .103 | -.192 | -.971 | 87 | .409 | .108 | .831 | .124 |
| 31 | -.041 | .069 | .253 | -.338 | 88 | .440 | .129 | .909 | .127 |
| 32 | -.085 | .128 | .292 | -.634 | 89 | .389 | .126 | .892 | .069 |
| 33 | -.205 | .152 | .177 | -1.165 | 90 | .235 | .071 | .555 | .058 |
| 34 | -.380 | .131 | .099 | -.893 | 91 | .252 | .133 | .738 | -.130 |
| 35 | -.433 | .115 | -.147 | -.897 | 92 | .375 | .118 | .866 | .104 |
| 36 | -.092 | .067 | .066 | -.346 | 93 | .398 | .114 | .875 | .125 |
| 37 | -.530 | .132 | -.200 | -1.004 | 94 | .412 | .114 | .918 | .147 |
| 38 | -.343 | .085 | -.054 | -.707 | 95 | .377 | .118 | .846 | .087 |
| 39 | -.380 | .097 | -.052 | -.765 | 96 | .225 | .129 | .656 | -.164 |
| 40 | -.494 | .123 | -.026 | -1.042 | 97 | .147 | .115 | .643 | -.130 |
| 41 | -.536 | .139 | -.009 | -1.138 | 98 | .341 | .101 | .819 | .104 |
| 42 | -.512 | .122 | .026 | -.990 | 99 | .381 | .102 | .794 | .139 |
| 43 | -.317 | .081 | -.050 | -.672 | 100 | .374 | .104 | .803 | .139 |
| 44 | -.048 | .075 | .245 | -.288 | 101 | .327 | .102 | .716 | .086 |
| 45 | .025 | .077 | .367 | -.147 | 102 | .201 | .117 | .663 | -.231 |
| 46 | .057 | .082 | .405 | -.141 | 103 | .219 | .105 | .782 | -.099 |
| 47 | .075 | .078 | .332 | -.177 | 104 | .346 | .105 | .834 | .104 |
| 48 | -.057 | .204 | .502 | -.820 | 105 | .392 | .112 | .860 | .155 |
| 49 | -.259 | .065 | -.009 | -.517 | 106 | .396 | .106 | .806 | .167 |
| 50 | -.035 | .066 | .272 | -.286 | 107 | .334 | .100 | .817 | .115 |
| 51 | .074 | .067 | .350 | -.098 | 108 | .212 | .080 | .522 | -.026 |
| 52 | .153 | .090 | .534 | -.066 | 109 | -.507 | .130 | .052 | -.947 |
| 53 | .164 | .108 | .601 | -.422 | 110 | -.524 | .140 | .124 | -.973 |
| 54 | -.011 | .200 | .664 | -.790 | 111 | -.487 | .116 | -.092 | -.918 |
| 55 | -.235 | .064 | -.033 | -.520 | 112 | -.387 | .092 | -.021 | -.728 |
| 56 | -.036 | .057 | .213 | -.189 | 113 | -.324 | .074 | -.067 | -.632 |
| 57 | .083 | .068 | .372 | -.088 | 114 | -.368 | .082 | -.119 | -.666 |

WIND ENGINEERING STUDY OF FLUOR HEADQUARTERS BUILDING
IRVINE, CALIFORNIA WIND DIRECTION=255

| PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT | PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT |
|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|
| 115 | -.071 | .206 | .566 | -.797 | 172 | -.341 | .120 | .033 | -1.160 |
| 116 | .075 | .096 | .433 | -.230 | 173 | -.283 | .105 | .048 | -.893 |
| 117 | .046 | .084 | .360 | -.213 | 174 | -.303 | .156 | .041 | -1.375 |
| 118 | .033 | .078 | .355 | -.222 | 175 | -.342 | .106 | -.094 | -.931 |
| 119 | -.033 | .070 | .231 | -.262 | 176 | -.350 | .109 | -.093 | -.957 |
| 120 | -.215 | .079 | .028 | -.540 | 177 | -.325 | .098 | -.068 | -.887 |
| 121 | -.017 | .201 | .545 | -.860 | 178 | -.294 | .110 | .236 | -.990 |
| 122 | .169 | .106 | .536 | -.341 | 179 | -.235 | .103 | .157 | -.818 |
| 123 | .147 | .090 | .467 | -.072 | 180 | -.223 | .125 | .083 | -.915 |
| 124 | .083 | .078 | .375 | -.147 | 181 | -.205 | .071 | .026 | -.477 |
| 125 | -.017 | .064 | .217 | -.254 | 182 | -.157 | .043 | -.025 | -.336 |
| 126 | -.153 | .058 | .009 | -.367 | 183 | -.205 | .071 | .006 | -.454 |
| 127 | -.003 | .197 | .525 | -.702 | 184 | -.159 | .044 | -.035 | -.342 |
| 128 | .155 | .107 | .566 | -.361 | 185 | -.196 | .068 | .042 | -.484 |
| 129 | .126 | .077 | .421 | -.107 | 186 | -.154 | .047 | -.015 | -.329 |
| 130 | .077 | .069 | .372 | -.138 | 187 | -.180 | .061 | -.012 | -.460 |
| 131 | -.023 | .071 | .267 | -.206 | 188 | -.161 | .042 | -.028 | -.355 |
| 132 | -.210 | .079 | .129 | -.493 | 189 | -.146 | .038 | 0.000 | -.306 |
| 133 | -.004 | .176 | .474 | -.647 | 190 | -.161 | .040 | -.035 | -.341 |
| 134 | .128 | .110 | .474 | -.361 | 191 | -.169 | .038 | -.048 | -.332 |
| 135 | .104 | .072 | .396 | -.206 | 192 | -.181 | .043 | -.074 | -.357 |
| 136 | .041 | .060 | .291 | -.154 | 193 | -.150 | .035 | -.030 | -.278 |
| 137 | -.050 | .054 | .213 | -.249 | 194 | -.167 | .036 | -.055 | -.306 |
| 138 | -.240 | .074 | .003 | -.593 | 195 | -.169 | .038 | -.057 | -.315 |
| 139 | .044 | .136 | .480 | -.451 | 196 | -.184 | .045 | -.062 | -.370 |
| 140 | .141 | .106 | .470 | -.380 | 197 | -.142 | .040 | .017 | -.303 |
| 141 | .126 | .067 | .376 | -.084 | 198 | -.160 | .038 | -.016 | -.313 |
| 142 | .056 | .058 | .293 | -.120 | 199 | -.183 | .040 | -.055 | -.384 |
| 143 | -.041 | .052 | .166 | -.223 | 200 | -.202 | .051 | -.041 | -.436 |
| 144 | -.236 | .077 | -.026 | -.683 | 201 | -.157 | .038 | -.028 | -.329 |
| 145 | -.401 | .132 | -.128 | -.977 | 202 | -.176 | .044 | -.058 | -.349 |
| 146 | -.428 | .130 | -.097 | -1.063 | 203 | -.185 | .041 | -.068 | -.376 |
| 147 | -.402 | .109 | -.104 | -1.111 | 204 | -.171 | .041 | -.051 | -.336 |
| 148 | -.334 | .099 | -.003 | -.893 | 205 | -.168 | .039 | -.051 | -.306 |
| 149 | -.268 | .086 | .025 | -.628 | 206 | -.144 | .033 | -.023 | -.265 |
| 150 | -.268 | .088 | .009 | -.735 | 207 | -.147 | .033 | -.049 | -.262 |
| 151 | -.430 | .141 | -.170 | -1.378 | 208 | -.160 | .039 | -.044 | -.342 |
| 152 | -.434 | .128 | -.132 | -1.019 | 209 | -.173 | .040 | -.046 | -.335 |
| 153 | -.396 | .095 | -.075 | -.827 | 210 | -.160 | .036 | -.052 | -.301 |
| 154 | -.342 | .090 | .025 | -.770 | 211 | -.163 | .034 | -.056 | -.295 |
| 155 | -.264 | .075 | .006 | -.531 | 212 | -.172 | .041 | -.041 | -.326 |
| 156 | -.245 | .080 | .039 | -.625 | 213 | -.161 | .040 | -.010 | -.301 |
| 157 | -.343 | .091 | -.165 | -.799 | 214 | -.151 | .036 | -.003 | -.273 |
| 158 | -.372 | .104 | -.120 | -.831 | 215 | -.157 | .042 | .016 | -.307 |
| 159 | -.363 | .109 | -.096 | -.912 | 216 | -.173 | .044 | -.050 | -.363 |
| 160 | -.341 | .109 | .029 | -.990 | 217 | -.158 | .043 | -.033 | -.366 |
| 161 | -.277 | .099 | .059 | -.683 | 218 | -.151 | .041 | -.009 | -.326 |
| 162 | -.291 | .133 | .070 | -.885 | 219 | -.154 | .037 | -.031 | -.295 |
| 163 | -.335 | .093 | -.142 | -.844 | 220 | -.161 | .038 | -.016 | -.330 |
| 164 | -.353 | .100 | -.141 | -.999 | 221 | -.168 | .044 | -.062 | -.344 |
| 165 | -.360 | .107 | -.057 | -1.044 | 222 | -.169 | .043 | -.046 | -.367 |
| 166 | -.353 | .116 | .049 | -.956 | 223 | -.169 | .046 | -.021 | -.404 |
| 167 | -.288 | .102 | .071 | -.641 | 224 | -.167 | .047 | -.022 | -.404 |
| 168 | -.295 | .150 | .091 | -.940 | 225 | -.176 | .046 | -.056 | -.391 |
| 169 | -.320 | .087 | -.148 | -.745 | 226 | -.180 | .046 | -.052 | -.369 |
| 170 | -.345 | .101 | -.123 | -.882 | 227 | -.182 | .045 | -.062 | -.367 |
| 171 | -.363 | .123 | -.070 | -1.034 | 228 | -.177 | .045 | -.037 | -.353 |

WIND ENGINEERING STUDY OF FLUOK HEADQUARTERS BUILDING
IRVINE, CALIFORNIA

WIND DIRECTION=255

| PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT | PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT |
|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|
| 229 | -.186 | .049 | -.062 | -.427 | 286 | -.277 | .096 | -.009 | -.929 |
| 230 | -.183 | .048 | -.065 | -.367 | 287 | -.204 | .066 | .001 | -.609 |
| 231 | -.185 | .051 | -.024 | -.449 | 288 | -.217 | .082 | .031 | -.783 |
| 232 | -.151 | .048 | .034 | -.364 | 289 | -.205 | .068 | .018 | -.645 |
| 233 | -.159 | .039 | -.034 | -.347 | 290 | -.204 | .067 | 0.000 | -.650 |
| 234 | -.160 | .040 | -.039 | -.339 | 291 | -.217 | .070 | -.006 | -.578 |
| 235 | -.140 | .053 | .041 | -.456 | 292 | -.259 | .085 | -.034 | -.807 |
| 236 | -.044 | .086 | .243 | -.341 | 293 | -.223 | .060 | -.045 | -.507 |
| 237 | -.168 | .046 | -.040 | -.382 | 294 | -.220 | .057 | -.080 | -.479 |
| 238 | -.212 | .069 | -.021 | -.473 | 295 | -.219 | .061 | -.063 | -.489 |
| 239 | -.187 | .050 | -.028 | -.369 | 296 | -.227 | .066 | -.041 | -.603 |
| 240 | -.220 | .083 | .018 | -.572 | 298 | -.245 | .094 | .029 | -.730 |
| 241 | -.173 | .050 | -.034 | -.396 | 299 | -.282 | .091 | -.029 | -.666 |
| 242 | -.236 | .082 | -.004 | -.671 | 300 | -.599 | .180 | .111 | -1.245 |
| 243 | -.094 | .066 | .150 | -.295 | 301 | -.540 | .104 | -.241 | -.921 |
| 244 | -.259 | .088 | -.021 | -.647 | 302 | -.588 | .118 | -.255 | -1.002 |
| 245 | -.258 | .091 | -.007 | -.691 | 303 | -.566 | .110 | -.207 | -1.053 |
| 246 | -.231 | .083 | -.007 | -.698 | 304 | -.565 | .103 | -.241 | -.929 |
| 247 | -.215 | .077 | -.007 | -.609 | 305 | -.537 | .165 | .123 | -1.307 |
| 248 | -.219 | .093 | .055 | -1.124 | 306 | -.260 | .095 | .003 | -.699 |
| 249 | -.262 | .115 | .069 | -.853 | 307 | -.153 | .072 | .083 | -.476 |
| 250 | -.242 | .084 | .012 | -.647 | 308 | -.141 | .046 | .004 | -.315 |
| 251 | -.235 | .078 | .006 | -.753 | 309 | -.051 | .054 | .111 | -.295 |
| 252 | -.218 | .070 | .036 | -.818 | 310 | -.277 | .078 | -.049 | -.766 |
| 253 | -.211 | .067 | .019 | -.529 | 311 | -.253 | .068 | -.032 | -.675 |
| 254 | -.223 | .086 | .038 | -.927 | 312 | .093 | .134 | .487 | -.716 |
| 255 | -.245 | .120 | .004 | -.952 | 313 | .019 | .160 | .495 | -.567 |
| 256 | -.223 | .079 | .007 | -.623 | 314 | -.531 | .221 | .369 | -1.136 |
| 257 | -.256 | .086 | .020 | -.656 | 315 | -.603 | .123 | -.115 | -.995 |
| 258 | -.239 | .071 | -.010 | -.543 | 316 | .081 | .116 | .533 | -.573 |
| 259 | -.229 | .056 | -.053 | -.454 | 317 | .003 | .164 | .492 | -.619 |
| 260 | -.239 | .068 | -.060 | -.527 | 318 | -.253 | .077 | .029 | -.639 |
| 261 | -.229 | .073 | -.048 | -.625 | 319 | -.237 | .073 | .040 | -.595 |
| 262 | -.238 | .078 | -.032 | -.641 | 320 | -.335 | .098 | -.073 | -.716 |
| 263 | -.222 | .073 | -.009 | -.705 | 321 | -.325 | .090 | -.072 | -.644 |
| 264 | -.221 | .064 | -.038 | -.530 | 322 | -.158 | .050 | -.012 | -.416 |
| 265 | -.213 | .061 | -.063 | -.556 | 323 | -.145 | .044 | -.024 | -.315 |
| 266 | -.212 | .069 | -.050 | -.701 | 324 | -.313 | .102 | .017 | -.886 |
| 267 | -.219 | .061 | -.073 | -.514 | 325 | -.286 | .080 | -.020 | -.660 |
| 268 | -.242 | .082 | -.016 | -.623 | 326 | -.346 | .059 | -.112 | -.613 |
| 269 | -.196 | .060 | -.016 | -.536 | 327 | -.182 | .028 | -.079 | -.365 |
| 270 | -.189 | .046 | -.053 | -.456 | 328 | -.137 | .045 | .042 | -.318 |
| 271 | -.181 | .040 | -.061 | -.340 | 329 | -.190 | .046 | -.085 | -.406 |
| 272 | -.179 | .043 | -.063 | -.356 | 330 | -.157 | .038 | -.012 | -.326 |
| 273 | -.029 | .035 | .080 | -.212 | 331 | -.193 | .057 | -.022 | -.450 |
| 274 | -.149 | .066 | .038 | -.531 | 332 | -.182 | .054 | -.032 | -.464 |
| 276 | -.203 | .063 | -.039 | -.626 | 333 | -.221 | .081 | .045 | -.498 |
| 277 | -.204 | .051 | -.028 | -.413 | 334 | -.202 | .072 | .019 | -.511 |
| 278 | -.209 | .053 | -.042 | -.512 | 335 | -.229 | .076 | -.031 | -.588 |
| 279 | -.210 | .054 | -.064 | -.510 | 336 | -.198 | .073 | .034 | -.518 |
| 280 | -.215 | .057 | -.042 | -.529 | 337 | -.136 | .045 | .003 | -.357 |
| 281 | -.226 | .070 | -.044 | -.654 | 338 | .084 | .020 | .134 | -.004 |
| 282 | -.224 | .086 | .001 | -.818 | 339 | -.161 | .040 | -.026 | -.325 |
| 283 | -.207 | .058 | -.055 | -.464 | 340 | -.173 | .040 | -.064 | -.323 |
| 284 | -.205 | .079 | -.016 | -.651 | 341 | -.150 | .041 | -.023 | -.337 |
| 285 | -.236 | .083 | -.026 | -.683 | 342 | -.179 | .047 | -.039 | -.338 |

WIND ENGINEERING STUDY OF FLUOR HEADQUARTERS BUILDING
IRVINE, CALIFORNIA

WIND DIRECTION=270

| PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT | PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT |
|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|
| 1 | -.276 | .061 | -.073 | -.575 | 58 | .307 | .104 | .730 | .065 |
| 2 | -.259 | .076 | -.022 | -.549 | 59 | .351 | .102 | .760 | .098 |
| 3 | -.284 | .076 | -.069 | -.606 | 60 | .347 | .128 | .812 | -.095 |
| 4 | -.344 | .093 | -.091 | -.828 | 61 | -.150 | .081 | .105 | -.418 |
| 5 | -.362 | .102 | -.063 | -.784 | 62 | .093 | .073 | .353 | -.109 |
| 6 | -.604 | .148 | -.223 | -1.119 | 63 | .199 | .071 | .592 | .033 |
| 7 | -.219 | .048 | -.066 | -.470 | 64 | .262 | .082 | .692 | .063 |
| 8 | -.155 | .038 | -.016 | -.365 | 65 | .314 | .091 | .743 | .076 |
| 9 | -.150 | .046 | -.014 | -.391 | 66 | .309 | .120 | .796 | -.172 |
| 10 | -.213 | .083 | -.055 | -.613 | 67 | -.099 | .076 | .198 | -.438 |
| 11 | -.394 | .140 | -.088 | -.832 | 68 | .095 | .064 | .382 | -.065 |
| 12 | -.644 | .161 | -.241 | -1.330 | 69 | .219 | .076 | .550 | .043 |
| 13 | -.166 | .040 | -.055 | -.415 | 70 | .281 | .084 | .681 | .091 |
| 14 | -.136 | .050 | .029 | -.513 | 71 | .318 | .100 | .749 | .085 |
| 15 | -.146 | .089 | .131 | -.638 | 72 | .295 | .110 | .718 | -.027 |
| 16 | -.238 | .144 | .001 | -.734 | 73 | -.402 | .135 | .063 | -.853 |
| 17 | -.444 | .171 | .016 | -.974 | 74 | -.468 | .138 | .057 | -.905 |
| 18 | -.536 | .120 | -.254 | -1.096 | 75 | -.413 | .133 | .077 | -1.031 |
| 19 | -.150 | .045 | -.039 | -.379 | 76 | -.386 | .124 | .118 | -.999 |
| 20 | -.110 | .064 | .049 | -.444 | 77 | -.405 | .118 | .063 | -.911 |
| 21 | -.155 | .126 | .106 | -.803 | 78 | -.423 | .111 | -.022 | -.899 |
| 22 | -.286 | .175 | .065 | -.950 | 79 | .372 | .145 | .881 | -.024 |
| 23 | -.438 | .151 | .045 | -1.221 | 80 | .355 | .128 | .817 | .034 |
| 24 | -.490 | .112 | -.175 | -1.027 | 81 | .311 | .122 | .753 | -.025 |
| 25 | -.148 | .042 | -.016 | -.326 | 82 | .298 | .124 | .726 | -.042 |
| 26 | -.054 | .060 | .194 | -.468 | 83 | .208 | .115 | .618 | -.095 |
| 27 | -.082 | .105 | .121 | -.672 | 84 | -.021 | .114 | .384 | -.363 |
| 28 | -.197 | .153 | .073 | -.988 | 85 | .381 | .135 | .911 | .051 |
| 29 | -.383 | .160 | .082 | -.981 | 86 | .409 | .132 | .921 | .110 |
| 30 | -.419 | .131 | -.125 | -1.034 | 87 | .370 | .105 | .790 | .137 |
| 31 | -.001 | .047 | .187 | -.273 | 88 | .349 | .119 | .796 | .027 |
| 32 | .050 | .069 | .355 | -.463 | 89 | .242 | .108 | .594 | -.092 |
| 33 | .008 | .088 | .358 | -.580 | 90 | .098 | .067 | .289 | -.121 |
| 34 | -.143 | .162 | .280 | -1.172 | 91 | .391 | .105 | .830 | .107 |
| 35 | -.294 | .152 | .181 | -.892 | 92 | .401 | .100 | .781 | .167 |
| 36 | -.021 | .080 | .164 | -.454 | 93 | .363 | .095 | .711 | .121 |
| 37 | -.641 | .151 | -.283 | -1.173 | 94 | .321 | .095 | .722 | .092 |
| 38 | -.330 | .108 | .074 | -.749 | 95 | .219 | .099 | .649 | -.028 |
| 39 | -.355 | .113 | .083 | -.749 | 96 | -.054 | .120 | .388 | -.436 |
| 40 | -.447 | .130 | .085 | -.969 | 97 | .329 | .105 | .752 | .039 |
| 41 | -.570 | .146 | .007 | -1.265 | 98 | .356 | .101 | .792 | .125 |
| 42 | -.456 | .138 | .128 | -1.049 | 99 | .334 | .123 | .713 | -.311 |
| 43 | -.269 | .094 | .073 | -.598 | 100 | .296 | .094 | .658 | .089 |
| 44 | .083 | .098 | .445 | -.226 | 101 | .194 | .089 | .545 | -.028 |
| 45 | .155 | .107 | .537 | -.147 | 102 | -.034 | .112 | .452 | -.369 |
| 46 | .195 | .111 | .624 | -.094 | 103 | .343 | .097 | .743 | .134 |
| 47 | .229 | .116 | .627 | -.092 | 104 | .371 | .103 | .799 | .158 |
| 48 | .259 | .155 | .716 | -.393 | 105 | .347 | .102 | .726 | .140 |
| 49 | -.210 | .080 | .155 | -.503 | 106 | .302 | .089 | .665 | .118 |
| 50 | .107 | .090 | .475 | -.161 | 107 | .206 | .081 | .597 | .013 |
| 51 | .229 | .102 | .625 | -.040 | 108 | .041 | .072 | .305 | -.226 |
| 52 | .315 | .115 | .775 | .025 | 109 | -.550 | .146 | -.110 | -1.216 |
| 53 | .368 | .125 | .900 | .039 | 110 | -.390 | .125 | -.037 | -.808 |
| 54 | .370 | .157 | .878 | -.253 | 111 | -.405 | .103 | -.071 | -.838 |
| 55 | -.180 | .079 | .068 | -.470 | 112 | -.370 | .089 | -.065 | -.698 |
| 56 | .160 | .081 | .415 | -.091 | 113 | -.326 | .073 | -.082 | -.592 |
| 57 | .233 | .091 | .590 | .004 | 114 | -.304 | .057 | -.112 | -.516 |

WIND ENGINEERING STUDY OF FLUOR HEADQUARTERS BUILDING
IRVINE, CALIFORNIA

WIND DIRECTION=270

| PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT | PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT |
|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|
| 115 | -.468 | .185 | .150 | -1.371 | 172 | -.252 | .049 | -.093 | -.533 |
| 116 | -.110 | .099 | .176 | -.891 | 173 | -.262 | .057 | -.070 | -.587 |
| 117 | -.085 | .052 | .121 | -.365 | 174 | -.283 | .075 | -.093 | -.865 |
| 118 | -.078 | .049 | .137 | -.226 | 175 | -.247 | .050 | -.104 | -.488 |
| 119 | -.105 | .047 | .097 | -.269 | 176 | -.249 | .049 | -.111 | -.498 |
| 120 | -.193 | .039 | -.049 | -.327 | 177 | -.246 | .050 | -.102 | -.520 |
| 121 | -.443 | .177 | .127 | -1.048 | 178 | -.252 | .056 | -.102 | -.612 |
| 122 | -.172 | .214 | .254 | -.997 | 179 | -.232 | .058 | -.045 | -.803 |
| 123 | -.027 | .070 | .207 | -.397 | 180 | -.269 | .082 | -.067 | -.765 |
| 124 | -.046 | .050 | .177 | -.211 | 181 | -.228 | .048 | .038 | -.428 |
| 125 | -.102 | .041 | .115 | -.241 | 182 | -.167 | .034 | -.034 | -.276 |
| 126 | -.159 | .034 | -.010 | -.278 | 183 | -.219 | .045 | -.064 | -.405 |
| 127 | -.405 | .104 | -.152 | -.713 | 184 | -.171 | .032 | -.060 | -.286 |
| 128 | .941 | .025 | 1.037 | .935 | 185 | -.206 | .048 | -.055 | -.431 |
| 129 | -.051 | .069 | .144 | -.433 | 186 | -.166 | .036 | -.025 | -.279 |
| 130 | -.051 | .043 | .118 | -.229 | 187 | -.213 | .043 | -.080 | -.380 |
| 131 | -.100 | .039 | .099 | -.286 | 188 | -.172 | .033 | -.039 | -.289 |
| 132 | -.195 | .035 | -.086 | -.337 | 189 | -.158 | .034 | -.047 | -.294 |
| 133 | -.325 | .150 | .162 | -.967 | 190 | -.171 | .035 | -.053 | -.308 |
| 134 | -.152 | .175 | .272 | -.863 | 191 | -.174 | .033 | -.085 | -.329 |
| 135 | -.061 | .101 | .222 | -.574 | 192 | -.185 | .036 | -.032 | -.326 |
| 136 | -.063 | .054 | .159 | -.324 | 193 | -.160 | .029 | -.050 | -.263 |
| 137 | -.110 | .042 | .053 | -.244 | 194 | -.172 | .029 | -.083 | -.289 |
| 138 | -.209 | .043 | -.083 | -.352 | 195 | -.180 | .032 | -.077 | -.332 |
| 139 | -.229 | .132 | .282 | -.951 | 196 | -.194 | .040 | -.053 | -.339 |
| 140 | -.145 | .159 | .276 | -.949 | 197 | -.152 | .034 | -.009 | -.254 |
| 141 | -.030 | .082 | .207 | -.548 | 198 | -.168 | .033 | -.039 | -.264 |
| 142 | -.042 | .044 | .133 | -.245 | 199 | -.181 | .036 | -.007 | -.311 |
| 143 | -.091 | .039 | .096 | -.263 | 200 | -.192 | .047 | -.028 | -.367 |
| 144 | -.196 | .044 | -.069 | -.367 | 201 | -.166 | .032 | -.058 | -.263 |
| 145 | -.265 | .047 | -.127 | -.488 | 202 | -.186 | .039 | -.041 | -.332 |
| 146 | -.290 | .066 | -.082 | -.605 | 203 | -.189 | .035 | -.069 | -.294 |
| 147 | -.297 | .075 | -.020 | -.685 | 204 | -.174 | .033 | -.037 | -.296 |
| 148 | -.298 | .086 | -.009 | -.714 | 205 | -.178 | .038 | -.055 | -.426 |
| 149 | -.275 | .087 | -.044 | -.681 | 206 | -.160 | .033 | -.047 | -.353 |
| 150 | -.264 | .085 | -.028 | -.657 | 207 | -.163 | .033 | -.074 | -.294 |
| 151 | -.270 | .047 | -.123 | -.466 | 208 | -.164 | .035 | -.071 | -.323 |
| 152 | -.276 | .051 | -.111 | -.498 | 209 | -.189 | .045 | -.046 | -.533 |
| 153 | -.280 | .055 | -.126 | -.594 | 210 | -.178 | .038 | -.019 | -.439 |
| 154 | -.290 | .067 | -.093 | -.613 | 211 | -.165 | .032 | -.062 | -.306 |
| 155 | -.262 | .056 | -.107 | -.540 | 212 | -.165 | .031 | -.059 | -.300 |
| 156 | -.255 | .061 | -.039 | -.517 | 213 | -.171 | .045 | -.015 | -.447 |
| 157 | -.242 | .036 | -.131 | -.391 | 214 | -.162 | .037 | -.021 | -.339 |
| 158 | -.253 | .043 | -.121 | -.448 | 215 | -.173 | .038 | .010 | -.308 |
| 159 | -.252 | .049 | -.105 | -.488 | 216 | -.180 | .039 | -.059 | -.308 |
| 160 | -.257 | .053 | -.111 | -.631 | 217 | -.177 | .041 | -.004 | -.385 |
| 161 | -.258 | .054 | -.098 | -.460 | 218 | -.173 | .037 | -.022 | -.300 |
| 162 | -.282 | .075 | -.080 | -.705 | 219 | -.164 | .032 | -.075 | -.279 |
| 163 | -.231 | .041 | -.089 | -.456 | 220 | -.165 | .032 | -.076 | -.279 |
| 164 | -.239 | .043 | -.098 | -.660 | 221 | -.154 | .030 | -.071 | -.244 |
| 165 | -.240 | .047 | -.101 | -.783 | 222 | -.155 | .033 | -.073 | -.267 |
| 166 | -.251 | .052 | -.041 | -.827 | 223 | -.160 | .033 | -.073 | -.263 |
| 167 | -.274 | .057 | -.098 | -.542 | 224 | -.160 | .034 | -.075 | -.267 |
| 168 | -.280 | .073 | -.025 | -.787 | 225 | -.166 | .031 | -.072 | -.284 |
| 169 | -.242 | .043 | -.092 | -.434 | 226 | -.173 | .035 | -.084 | -.295 |
| 170 | -.254 | .044 | -.110 | -.463 | 227 | -.184 | .037 | -.073 | -.329 |
| 171 | -.249 | .047 | -.102 | -.619 | 228 | -.176 | .037 | -.063 | -.329 |

WIND ENGINEERING STUDY OF FLUOR HEADQUARTERS BUILDING
IRVINE, CALIFORNIA

WIND DIRECTION=270

| PRFSSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT | PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT |
|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|
| 229 | -.183 | .039 | -.072 | -.345 | 286 | -.285 | .073 | -.088 | -.789 |
| 230 | -.187 | .045 | -.068 | -.373 | 287 | -.201 | .058 | -.007 | -.495 |
| 231 | -.194 | .040 | -.085 | -.335 | 288 | -.206 | .059 | -.020 | -.491 |
| 232 | -.134 | .037 | .010 | -.267 | 289 | -.202 | .056 | -.038 | -.492 |
| 233 | -.165 | .033 | -.050 | -.300 | 290 | -.215 | .058 | -.047 | -.503 |
| 234 | -.166 | .035 | -.035 | -.285 | 291 | -.261 | .064 | -.080 | -.520 |
| 235 | -.120 | .046 | .026 | -.247 | 292 | -.271 | .062 | -.111 | -.565 |
| 236 | .039 | .078 | .370 | -.248 | 293 | -.202 | .046 | -.069 | -.462 |
| 237 | -.165 | .052 | .217 | -.300 | 294 | -.201 | .045 | -.075 | -.409 |
| 238 | -.184 | .044 | -.069 | -.311 | 295 | -.200 | .048 | -.088 | -.472 |
| 239 | -.174 | .040 | -.071 | -.298 | 296 | -.211 | .047 | -.094 | -.443 |
| 240 | -.168 | .043 | -.028 | -.353 | 298 | -.257 | .051 | -.115 | -.456 |
| 241 | -.152 | .042 | -.034 | -.303 | 299 | -.392 | .107 | .066 | -.881 |
| 242 | -.208 | .051 | -.044 | -.422 | 300 | -.636 | .139 | -.117 | -1.243 |
| 243 | -.046 | .062 | .195 | -.248 | 301 | -.568 | .116 | -.194 | -.999 |
| 244 | -.264 | .061 | -.100 | -.604 | 302 | -.514 | .099 | -.187 | -.871 |
| 245 | -.254 | .086 | .006 | -.868 | 303 | -.454 | .097 | -.172 | -.821 |
| 246 | -.245 | .077 | -.010 | -.742 | 304 | -.439 | .112 | -.080 | -.834 |
| 247 | -.254 | .085 | -.038 | -.744 | 305 | -.433 | .133 | -.001 | -.928 |
| 248 | -.264 | .106 | .010 | -.960 | 306 | -.186 | .059 | .023 | -.481 |
| 249 | -.259 | .087 | -.016 | -.675 | 307 | -.222 | .065 | -.009 | -.457 |
| 250 | -.230 | .060 | -.079 | -.633 | 308 | -.181 | .065 | .032 | -.443 |
| 251 | -.235 | .057 | -.012 | -.601 | 309 | -.071 | .048 | .117 | -.234 |
| 252 | -.231 | .054 | .006 | -.684 | 310 | -.309 | .111 | .134 | -.774 |
| 253 | -.242 | .070 | -.016 | -.836 | 311 | -.309 | .098 | .079 | -.780 |
| 254 | -.273 | .113 | -.029 | -1.030 | 312 | .016 | .231 | .574 | -.906 |
| 255 | -.237 | .079 | -.085 | -.826 | 313 | -.160 | .214 | .374 | -.888 |
| 256 | -.221 | .052 | -.050 | -.659 | 314 | -.381 | .228 | .392 | -1.096 |
| 257 | -.255 | .062 | -.069 | -.529 | 315 | -.487 | .153 | .254 | -.937 |
| 258 | -.244 | .058 | -.094 | -.612 | 316 | -.125 | .169 | .346 | -.872 |
| 259 | -.238 | .060 | -.086 | -.501 | 317 | -.180 | .162 | .415 | -.619 |
| 260 | -.240 | .061 | -.061 | -.619 | 318 | -.214 | .047 | -.053 | -.441 |
| 261 | -.236 | .049 | -.101 | -.501 | 319 | -.208 | .048 | -.033 | -.431 |
| 262 | -.241 | .045 | -.067 | -.425 | 320 | -.279 | .078 | -.068 | -.611 |
| 263 | -.232 | .062 | -.086 | -.593 | 321 | -.277 | .071 | -.066 | -.556 |
| 264 | -.229 | .054 | -.079 | -.549 | 322 | -.199 | .061 | -.020 | -.549 |
| 265 | -.212 | .059 | -.060 | -.563 | 323 | -.188 | .057 | -.040 | -.435 |
| 266 | -.229 | .079 | -.034 | -.628 | 324 | -.216 | .067 | -.026 | -.510 |
| 267 | -.221 | .069 | -.032 | -.567 | 325 | -.207 | .062 | -.016 | -.468 |
| 268 | -.235 | .073 | -.047 | -.637 | 326 | -.371 | .059 | -.149 | -.560 |
| 269 | -.209 | .039 | -.083 | -.412 | 327 | -.182 | .032 | -.076 | -.378 |
| 270 | -.204 | .034 | -.088 | -.378 | 328 | -.157 | .047 | -.038 | -.352 |
| 271 | -.195 | .034 | -.082 | -.408 | 329 | -.184 | .043 | -.067 | -.348 |
| 272 | -.193 | .049 | -.010 | -.443 | 330 | -.168 | .037 | -.060 | -.320 |
| 273 | -.039 | .036 | .070 | -.279 | 331 | -.183 | .054 | -.003 | -.402 |
| 274 | -.210 | .061 | -.026 | -.554 | 332 | -.185 | .053 | -.045 | -.377 |
| 276 | -.223 | .049 | -.018 | -.450 | 333 | -.237 | .059 | .001 | -.517 |
| 277 | -.227 | .051 | -.064 | -.488 | 334 | -.214 | .052 | .035 | -.415 |
| 278 | -.227 | .052 | -.058 | -.438 | 335 | -.219 | .051 | -.069 | -.469 |
| 279 | -.220 | .049 | -.076 | -.465 | 336 | -.192 | .052 | .020 | -.381 |
| 280 | -.225 | .049 | -.077 | -.538 | 337 | -.149 | .039 | -.053 | -.289 |
| 281 | -.242 | .075 | -.076 | -.647 | 338 | .080 | .019 | .136 | .004 |
| 282 | -.228 | .082 | .019 | -.611 | 339 | -.159 | .034 | -.030 | -.263 |
| 283 | -.215 | .073 | .044 | -.526 | 340 | -.176 | .038 | -.065 | -.323 |
| 284 | -.235 | .078 | .032 | -.668 | 341 | -.156 | .033 | -.047 | -.256 |
| 285 | -.268 | .076 | .003 | -.612 | 342 | -.166 | .039 | -.072 | -.323 |

WIND ENGINEERING STUDY OF FLUOR HEADQUARTERS BUILDING
IRVINE, CALIFORNIA

WIND DIRECTION=285

| PRFSSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT | PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT |
|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|
| 1 | -.300 | .058 | -.131 | -.563 | 58 | .393 | .110 | .877 | .142 |
| 2 | -.292 | .071 | -.068 | -.713 | 59 | .414 | .119 | .904 | .137 |
| 3 | -.317 | .075 | -.076 | -.661 | 60 | .362 | .126 | .871 | .029 |
| 4 | -.381 | .104 | -.055 | -.913 | 61 | .102 | .109 | .525 | -.243 |
| 5 | -.388 | .118 | -.055 | -.930 | 62 | .275 | .097 | .683 | .065 |
| 6 | -.449 | .126 | -.089 | -1.055 | 63 | .320 | .087 | .693 | .083 |
| 7 | -.207 | .045 | -.066 | -.411 | 64 | .356 | .093 | .756 | .160 |
| 8 | -.074 | .047 | .138 | -.226 | 65 | .372 | .094 | .796 | .171 |
| 9 | -.037 | .050 | .170 | -.210 | 66 | .336 | .099 | .693 | .091 |
| 10 | -.033 | .057 | .207 | -.270 | 67 | .118 | .094 | .512 | -.119 |
| 11 | -.056 | .100 | .200 | -.515 | 68 | .267 | .092 | .690 | .062 |
| 12 | -.403 | .161 | .145 | -1.110 | 69 | .352 | .097 | .765 | .147 |
| 13 | -.168 | .028 | -.062 | -.280 | 70 | .381 | .096 | .765 | .175 |
| 14 | -.052 | .036 | .091 | -.170 | 71 | .102 | .096 | .842 | .157 |
| 15 | .004 | .048 | .200 | -.167 | 72 | .316 | .097 | .709 | .069 |
| 16 | .040 | .066 | .250 | -.424 | 73 | -.414 | .140 | .123 | -.921 |
| 17 | -.035 | .169 | .286 | -.809 | 74 | -.490 | .141 | .057 | -.981 |
| 18 | -.311 | .175 | .244 | -.986 | 75 | -.426 | .127 | .106 | -.877 |
| 19 | -.134 | .029 | -.039 | -.243 | 76 | -.334 | .109 | .102 | -.688 |
| 20 | -.019 | .034 | .115 | -.119 | 77 | -.311 | .090 | .067 | -.640 |
| 21 | .030 | .046 | .214 | -.210 | 78 | -.460 | .100 | -.126 | -.849 |
| 22 | .044 | .070 | .292 | -.435 | 79 | .258 | .173 | .782 | -.393 |
| 23 | -.009 | .151 | .352 | -.652 | 80 | .249 | .116 | .664 | -.045 |
| 24 | -.245 | .171 | .418 | -.939 | 81 | .194 | .111 | .667 | -.082 |
| 25 | -.148 | .030 | -.049 | -.253 | 82 | .156 | .107 | .571 | -.138 |
| 26 | .018 | .034 | .188 | -.151 | 83 | .043 | .091 | .541 | -.245 |
| 27 | .071 | .044 | .267 | -.208 | 84 | -.330 | .117 | .135 | -.755 |
| 28 | .065 | .073 | .326 | -.331 | 85 | .279 | .171 | .783 | -.278 |
| 29 | -.012 | .139 | .295 | -.618 | 86 | .316 | .119 | .721 | -.042 |
| 30 | -.178 | .135 | .282 | -.847 | 87 | .250 | .087 | .620 | .025 |
| 31 | .037 | .035 | .200 | -.095 | 88 | .171 | .095 | .617 | -.091 |
| 32 | .121 | .047 | .332 | -.010 | 89 | .030 | .083 | .404 | -.208 |
| 33 | .121 | .048 | .322 | -.062 | 90 | -.092 | .061 | .118 | -.302 |
| 34 | .107 | .075 | .343 | -.364 | 91 | .260 | .167 | .747 | -.438 |
| 35 | .024 | .136 | .398 | -.451 | 92 | .291 | .108 | .701 | .031 |
| 36 | .104 | .060 | .243 | -.203 | 93 | .238 | .096 | .649 | .018 |
| 37 | -.611 | .133 | -.193 | -1.069 | 94 | .154 | .087 | .595 | -.106 |
| 38 | -.478 | .126 | .012 | -.931 | 95 | .030 | .087 | .422 | -.169 |
| 39 | -.471 | .126 | -.015 | -.886 | 96 | -.297 | .086 | .079 | -.590 |
| 40 | -.500 | .128 | .064 | -.901 | 97 | .235 | .142 | .794 | -.354 |
| 41 | -.565 | .148 | -.045 | -1.138 | 98 | .264 | .099 | .831 | -.009 |
| 42 | -.476 | .150 | .111 | -1.016 | 99 | .218 | .087 | .616 | .003 |
| 43 | -.042 | .113 | .377 | -.447 | 100 | .131 | .079 | .526 | -.063 |
| 44 | .206 | .121 | .653 | -.099 | 101 | -.003 | .071 | .318 | -.224 |
| 45 | .257 | .130 | .679 | -.045 | 102 | -.302 | .084 | -.010 | -.649 |
| 46 | .254 | .131 | .743 | -.036 | 103 | .253 | .132 | .716 | -.393 |
| 47 | .301 | .133 | .764 | -.027 | 104 | .282 | .101 | .692 | -.088 |
| 48 | .325 | .140 | .946 | -.100 | 105 | .236 | .093 | .602 | .028 |
| 49 | .048 | .120 | .474 | -.317 | 106 | .160 | .077 | .439 | -.003 |
| 50 | .308 | .120 | .792 | .013 | 107 | .001 | .064 | .256 | -.169 |
| 51 | .388 | .129 | .913 | .093 | 108 | -.180 | .066 | .018 | -.489 |
| 52 | .446 | .138 | .946 | .099 | 109 | -.705 | .170 | -.253 | -1.383 |
| 53 | .455 | .139 | .960 | .133 | 110 | -.399 | .102 | -.109 | -1.016 |
| 54 | .411 | .139 | .951 | .057 | 111 | -.384 | .106 | -.115 | -1.051 |
| 55 | .048 | .116 | .552 | -.377 | 112 | -.326 | .085 | -.106 | -.803 |
| 56 | .265 | .098 | .607 | -.017 | 113 | -.270 | .070 | -.078 | -.598 |
| 57 | .356 | .101 | .757 | .119 | 114 | -.289 | .054 | -.100 | -.559 |

WIND ENGINEERING STUDY OF FLUOR HEADQUARTERS BUILDING
IRVINE, CALIFORNIA WIND DIRECTION=285

| PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT | PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT |
|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|
| 115 | -.827 | .244 | -.291 | -1.821 | 172 | -.259 | .049 | -.121 | -.473 |
| 116 | -.396 | .146 | -.055 | -1.009 | 173 | -.254 | .045 | -.123 | -.490 |
| 117 | -.238 | .061 | -.028 | -.614 | 174 | -.278 | .062 | -.114 | -.658 |
| 118 | -.198 | .041 | -.016 | -.413 | 175 | -.271 | .059 | -.109 | -.631 |
| 119 | -.191 | .036 | -.060 | -.420 | 176 | -.264 | .054 | -.112 | -.501 |
| 120 | -.238 | .040 | -.112 | -.395 | 177 | -.253 | .049 | -.108 | -.492 |
| 121 | -.691 | .141 | -.315 | -1.296 | 178 | -.255 | .049 | -.117 | -.482 |
| 122 | -.645 | .195 | -.060 | -1.289 | 179 | -.239 | .041 | -.121 | -.486 |
| 123 | -.368 | .189 | -.031 | -1.215 | 180 | -.255 | .053 | -.114 | -.531 |
| 124 | -.204 | .080 | .061 | -.646 | 181 | -.237 | .036 | -.124 | -.382 |
| 125 | -.189 | .042 | .003 | -.456 | 182 | -.195 | .028 | -.080 | -.295 |
| 126 | -.196 | .036 | -.042 | -.345 | 183 | -.233 | .032 | -.124 | -.377 |
| 127 | -.634 | .127 | -.289 | -1.463 | 184 | -.201 | .025 | -.117 | -.282 |
| 128 | -.605 | .159 | -.079 | -1.306 | 185 | -.222 | .034 | -.101 | -.361 |
| 129 | -.410 | .181 | -.046 | -1.018 | 186 | -.198 | .028 | -.063 | -.289 |
| 130 | -.261 | .119 | .004 | -.770 | 187 | -.215 | .037 | -.085 | -.330 |
| 131 | -.212 | .064 | -.020 | -.617 | 188 | -.191 | .032 | -.073 | -.286 |
| 132 | -.241 | .045 | -.079 | -.452 | 189 | -.180 | .032 | -.055 | -.285 |
| 133 | -.575 | .127 | -.282 | -1.118 | 190 | -.190 | .033 | -.082 | -.293 |
| 134 | -.554 | .150 | -.082 | -1.144 | 191 | -.210 | .033 | -.112 | -.317 |
| 135 | -.444 | .183 | .010 | -1.098 | 192 | -.216 | .035 | -.102 | -.353 |
| 136 | -.299 | .144 | -.028 | -1.045 | 193 | -.195 | .028 | -.105 | -.288 |
| 137 | -.237 | .086 | -.012 | -.809 | 194 | -.207 | .029 | -.118 | -.296 |
| 138 | -.264 | .060 | -.063 | -.752 | 195 | -.206 | .032 | -.089 | -.366 |
| 139 | -.529 | .144 | -.155 | -1.264 | 196 | -.218 | .039 | -.098 | -.379 |
| 140 | -.526 | .156 | -.039 | -1.136 | 197 | -.185 | .033 | -.047 | -.309 |
| 141 | -.362 | .167 | -.023 | -1.064 | 198 | -.200 | .033 | -.082 | -.337 |
| 142 | -.231 | .118 | .058 | -.887 | 199 | -.208 | .032 | -.070 | -.328 |
| 143 | -.201 | .068 | .003 | -.683 | 200 | -.215 | .039 | -.053 | -.374 |
| 144 | -.246 | .049 | -.009 | -.502 | 201 | -.193 | .029 | -.067 | -.286 |
| 145 | -.289 | .045 | -.163 | -.514 | 202 | -.192 | .033 | -.080 | -.322 |
| 146 | -.309 | .074 | -.096 | -.645 | 203 | -.210 | .033 | -.063 | -.325 |
| 147 | -.309 | .090 | -.019 | -.661 | 204 | -.197 | .031 | -.076 | -.299 |
| 148 | -.318 | .099 | -.032 | -.717 | 205 | -.200 | .029 | -.099 | -.312 |
| 149 | -.307 | .094 | -.023 | -.747 | 206 | -.180 | .027 | -.067 | -.264 |
| 150 | -.283 | .075 | -.035 | -.702 | 207 | -.181 | .028 | -.079 | -.271 |
| 151 | -.265 | .045 | -.092 | -.485 | 208 | -.185 | .028 | -.097 | -.289 |
| 152 | -.272 | .052 | -.096 | -.533 | 209 | -.205 | .031 | -.096 | -.307 |
| 153 | -.274 | .063 | -.074 | -.724 | 210 | -.197 | .027 | -.083 | -.288 |
| 154 | -.282 | .068 | -.063 | -.692 | 211 | -.185 | .028 | -.078 | -.285 |
| 155 | -.273 | .061 | -.104 | -.558 | 212 | -.184 | .030 | -.075 | -.311 |
| 156 | -.267 | .061 | -.104 | -.540 | 213 | -.195 | .036 | -.024 | -.350 |
| 157 | -.251 | .041 | -.140 | -.534 | 214 | -.188 | .032 | -.049 | -.326 |
| 158 | -.263 | .046 | -.149 | -.537 | 215 | -.186 | .027 | -.091 | -.264 |
| 159 | -.264 | .046 | -.101 | -.496 | 216 | -.185 | .027 | -.102 | -.279 |
| 160 | -.264 | .044 | -.101 | -.451 | 217 | -.192 | .031 | -.040 | -.297 |
| 161 | -.260 | .045 | -.123 | -.450 | 218 | -.191 | .029 | -.078 | -.274 |
| 162 | -.279 | .054 | -.134 | -.514 | 219 | -.185 | .027 | -.103 | -.277 |
| 163 | -.259 | .054 | -.090 | -.552 | 220 | -.183 | .026 | -.103 | -.269 |
| 164 | -.258 | .051 | -.070 | -.563 | 221 | -.172 | .025 | -.078 | -.257 |
| 165 | -.248 | .046 | -.079 | -.502 | 222 | -.175 | .026 | -.080 | -.274 |
| 166 | -.255 | .042 | -.105 | -.442 | 223 | -.168 | .026 | -.090 | -.276 |
| 167 | -.271 | .045 | -.139 | -.527 | 224 | -.167 | .025 | -.091 | -.271 |
| 168 | -.276 | .053 | -.144 | -.619 | 225 | -.176 | .027 | -.090 | -.269 |
| 169 | -.271 | .055 | -.114 | -.560 | 226 | -.185 | .026 | -.102 | -.292 |
| 170 | -.271 | .050 | -.137 | -.496 | 227 | -.187 | .027 | -.103 | -.311 |
| 171 | -.263 | .054 | -.105 | -.549 | 228 | -.180 | .027 | -.090 | -.285 |

WIND ENGINEERING STUDY OF FLUOR HEADQUARTERS BUILDING
IRVINE, CALIFORNIA

WIND DIRECTION=285

| PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT | PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT |
|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|
| 229 | -.179 | .026 | -.087 | -.297 | 286 | -.289 | .067 | -.049 | -.689 |
| 230 | -.182 | .029 | -.046 | -.302 | 287 | -.194 | .050 | -.024 | -.516 |
| 231 | -.199 | .032 | -.044 | -.310 | 288 | -.196 | .046 | -.034 | -.412 |
| 232 | -.137 | .033 | .024 | -.246 | 289 | -.196 | .050 | .003 | -.434 |
| 233 | -.166 | .027 | -.087 | -.251 | 290 | -.225 | .050 | -.034 | -.424 |
| 234 | -.172 | .027 | -.086 | -.254 | 291 | -.299 | .076 | -.077 | -.615 |
| 235 | -.111 | .034 | .031 | -.260 | 292 | -.280 | .070 | -.077 | -.585 |
| 236 | .045 | .076 | .609 | -.115 | 293 | -.206 | .042 | -.071 | -.378 |
| 237 | -.167 | .077 | -.080 | -.257 | 294 | -.209 | .041 | -.086 | -.362 |
| 238 | -.179 | .028 | -.077 | -.274 | 295 | -.212 | .041 | -.079 | -.403 |
| 239 | -.180 | .031 | -.105 | -.314 | 296 | -.227 | .039 | -.111 | -.376 |
| 240 | -.173 | .031 | -.069 | -.301 | 298 | -.256 | .050 | -.102 | -.434 |
| 241 | -.164 | .037 | -.049 | -.332 | 299 | -.485 | .165 | .172 | -1.178 |
| 242 | -.233 | .045 | -.105 | -.413 | 300 | -.636 | .126 | -.253 | -1.118 |
| 243 | -.044 | .066 | .221 | -.270 | 301 | -.636 | .148 | -.136 | -1.144 |
| 244 | -.290 | .057 | -.119 | -.541 | 302 | -.548 | .122 | -.199 | -1.119 |
| 245 | -.263 | .072 | -.033 | -.680 | 303 | -.386 | .080 | -.116 | -.717 |
| 246 | -.287 | .099 | -.055 | -.789 | 304 | -.308 | .085 | -.083 | -.676 |
| 247 | -.270 | .090 | -.064 | -.763 | 305 | -.379 | .110 | .046 | -.771 |
| 248 | -.232 | .052 | -.087 | -.559 | 306 | -.137 | .068 | .087 | -.400 |
| 249 | -.258 | .068 | -.074 | -.720 | 307 | -.190 | .056 | .027 | -.454 |
| 250 | -.282 | .081 | -.076 | -.691 | 308 | -.176 | .065 | .070 | -.388 |
| 251 | -.222 | .050 | -.073 | -.436 | 309 | -.183 | .064 | .018 | -.480 |
| 252 | -.250 | .058 | -.068 | -.538 | 310 | -.067 | .194 | .450 | -.798 |
| 253 | -.236 | .053 | -.045 | -.556 | 311 | -.150 | .176 | .474 | -.687 |
| 254 | -.210 | .034 | -.111 | -.348 | 312 | -.401 | .245 | .550 | -1.171 |
| 255 | -.208 | .042 | -.083 | -.442 | 313 | -.504 | .145 | .105 | -.976 |
| 256 | -.256 | .068 | -.089 | -.646 | 314 | -.013 | .205 | .568 | -.796 |
| 257 | -.250 | .050 | -.111 | -.510 | 315 | -.179 | .203 | .388 | -.763 |
| 258 | -.237 | .044 | -.113 | -.473 | 316 | -.335 | .102 | .098 | -.769 |
| 259 | -.208 | .037 | -.095 | -.365 | 317 | -.317 | .090 | .039 | -.698 |
| 260 | -.232 | .043 | -.077 | -.538 | 318 | -.222 | .052 | -.072 | -.504 |
| 261 | -.235 | .047 | -.080 | -.458 | 319 | -.249 | .065 | -.063 | -.535 |
| 262 | -.240 | .054 | -.086 | -.477 | 320 | -.192 | .047 | -.027 | -.379 |
| 263 | -.259 | .065 | -.083 | -.559 | 321 | -.190 | .046 | -.059 | -.381 |
| 264 | -.235 | .068 | -.050 | -.628 | 322 | -.311 | .081 | -.096 | -.691 |
| 265 | -.177 | .069 | .030 | -.784 | 323 | -.282 | .065 | -.073 | -.542 |
| 266 | -.207 | .070 | .021 | -.793 | 324 | -.230 | .070 | -.030 | -.566 |
| 267 | -.202 | .056 | -.016 | -.491 | 325 | -.193 | .047 | -.006 | -.430 |
| 268 | -.211 | .061 | -.018 | -.485 | 326 | -.356 | .063 | -.147 | -.574 |
| 269 | -.223 | .058 | -.071 | -.637 | 327 | -.183 | .031 | -.093 | -.341 |
| 270 | -.264 | .061 | -.039 | -.620 | 328 | -.147 | .053 | .067 | -.400 |
| 271 | -.197 | .062 | -.037 | -.683 | 329 | -.186 | .028 | -.104 | -.291 |
| 272 | .221 | .006 | .248 | .202 | 330 | -.169 | .027 | -.080 | -.273 |
| 273 | -.188 | .046 | -.028 | -.445 | 331 | -.187 | .050 | -.015 | -.387 |
| 274 | .225 | .005 | .245 | .206 | 332 | -.171 | .037 | -.052 | -.308 |
| 276 | -.210 | .043 | -.093 | -.477 | 333 | -.246 | .054 | -.044 | -.508 |
| 277 | -.199 | .044 | -.056 | -.434 | 334 | -.187 | .045 | -.019 | -.378 |
| 278 | -.198 | .044 | -.033 | -.488 | 335 | -.202 | .044 | -.068 | -.387 |
| 279 | .218 | .006 | .243 | .197 | 336 | -.175 | .038 | -.025 | -.329 |
| 280 | -.206 | .042 | -.087 | -.400 | 337 | -.155 | .026 | -.070 | -.260 |
| 281 | -.206 | .061 | -.003 | -.514 | 338 | .079 | .015 | .132 | .010 |
| 282 | -.209 | .043 | .001 | -.551 | 339 | -.160 | .026 | -.086 | -.264 |
| 283 | -.225 | .057 | -.040 | -.476 | 340 | -.174 | .029 | -.090 | -.307 |
| 284 | -.269 | .070 | -.055 | -.591 | 341 | -.177 | .029 | -.085 | -.273 |
| 285 | -.285 | .064 | -.071 | -.708 | 342 | -.178 | .025 | -.089 | -.263 |

WIND ENGINEERING STUDY OF FLUOR HEADQUARTERS BUILDING
IRVINE, CALIFORNIA

WIND DIRECTION=300

| PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT | PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT |
|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|
| 1 | -.391 | .077 | -.171 | -.643 | 58 | .422 | .122 | .934 | .149 |
| 2 | -.287 | .077 | -.042 | -.605 | 59 | .364 | .119 | .863 | .090 |
| 3 | -.307 | .090 | -.003 | -.668 | 60 | .191 | .125 | .661 | -.247 |
| 4 | -.415 | .116 | .039 | -.878 | 61 | .270 | .101 | .678 | -.083 |
| 5 | -.464 | .133 | .075 | -.928 | 62 | .353 | .101 | .723 | .086 |
| 6 | -.421 | .142 | .062 | -1.152 | 63 | .375 | .102 | .709 | .145 |
| 7 | -.232 | .053 | -.020 | -.429 | 64 | .361 | .104 | .700 | .135 |
| 8 | .006 | .072 | .380 | -.191 | 65 | .325 | .104 | .743 | .044 |
| 9 | .087 | .084 | .390 | -.146 | 66 | .164 | .125 | .627 | -.222 |
| 10 | .123 | .092 | .440 | -.116 | 67 | .274 | .087 | .588 | .040 |
| 11 | .165 | .093 | .452 | -.228 | 68 | .344 | .092 | .727 | .032 |
| 12 | .061 | .206 | .618 | -.773 | 69 | .387 | .098 | .836 | .138 |
| 13 | -.155 | .040 | -.010 | -.294 | 70 | .368 | .098 | .762 | .159 |
| 14 | .043 | .058 | .422 | -.105 | 71 | .299 | .094 | .714 | .065 |
| 15 | .127 | .075 | .409 | -.065 | 72 | .139 | .104 | .561 | -.215 |
| 16 | .200 | .084 | .489 | -.027 | 73 | -.467 | .128 | .034 | -.969 |
| 17 | .226 | .109 | .595 | -.262 | 74 | -.456 | .132 | 0.000 | -.883 |
| 18 | .112 | .191 | .647 | -.802 | 75 | -.452 | .114 | -.054 | -.993 |
| 19 | -.112 | .038 | .024 | -.244 | 76 | -.395 | .095 | -.046 | -.720 |
| 20 | .070 | .052 | .306 | -.067 | 77 | -.357 | .078 | -.039 | -.615 |
| 21 | .133 | .065 | .393 | -.039 | 78 | -.459 | .087 | -.180 | -.801 |
| 22 | .182 | .078 | .492 | -.016 | 79 | -.126 | .220 | .564 | -.960 |
| 23 | .218 | .095 | .558 | -.166 | 80 | .078 | .101 | .539 | -.376 |
| 24 | .092 | .179 | .617 | -.555 | 81 | .049 | .087 | .440 | -.154 |
| 25 | -.124 | .037 | .092 | -.262 | 82 | .009 | .084 | .350 | -.201 |
| 26 | .085 | .044 | .291 | -.032 | 83 | -.071 | .079 | .240 | -.320 |
| 27 | .160 | .054 | .351 | .022 | 84 | -.322 | .116 | .022 | -.726 |
| 28 | .193 | .062 | .417 | -.044 | 85 | -.103 | .218 | .596 | -.927 |
| 29 | .204 | .095 | .485 | -.260 | 86 | .118 | .127 | .572 | -.581 |
| 30 | .111 | .158 | .535 | -.564 | 87 | .122 | .068 | .469 | -.085 |
| 31 | .063 | .045 | .268 | -.060 | 88 | .037 | .072 | .356 | -.196 |
| 32 | .176 | .060 | .449 | .007 | 89 | -.073 | .063 | .169 | -.293 |
| 33 | .205 | .065 | .455 | .059 | 90 | -.083 | .054 | .067 | -.273 |
| 34 | .230 | .072 | .485 | .052 | 91 | -.110 | .192 | .466 | -.711 |
| 35 | .253 | .093 | .541 | -.142 | 92 | .095 | .112 | .427 | -.521 |
| 36 | .208 | .042 | .360 | .042 | 93 | .080 | .073 | .373 | -.235 |
| 37 | -.608 | .146 | -.046 | -1.211 | 94 | .016 | .064 | .281 | -.169 |
| 38 | -.562 | .145 | -.021 | -1.047 | 95 | -.082 | .058 | .166 | -.252 |
| 39 | -.539 | .130 | -.102 | -1.053 | 96 | -.276 | .071 | -.094 | -.548 |
| 40 | -.553 | .124 | -.036 | -.984 | 97 | -.110 | .166 | .403 | -.761 |
| 41 | -.551 | .136 | -.027 | -1.008 | 98 | .059 | .123 | .397 | -.556 |
| 42 | -.520 | .139 | -.057 | -1.065 | 99 | .064 | .073 | .346 | -.259 |
| 43 | .200 | .138 | .650 | -.175 | 100 | 0.000 | .058 | .238 | -.160 |
| 44 | .287 | .140 | .783 | -.075 | 101 | -.099 | .050 | .099 | -.264 |
| 45 | .307 | .139 | .708 | -.157 | 102 | -.294 | .071 | -.120 | -.627 |
| 46 | .300 | .135 | .683 | -.069 | 103 | -.005 | .144 | .443 | -.695 |
| 47 | .286 | .124 | .684 | -.055 | 104 | .107 | .118 | .439 | -.353 |
| 48 | .160 | .137 | .731 | -.346 | 105 | .103 | .066 | .385 | -.117 |
| 49 | .300 | .130 | .714 | -.046 | 106 | .044 | .052 | .249 | -.096 |
| 50 | .416 | .124 | .862 | .105 | 107 | -.076 | .053 | .205 | -.247 |
| 51 | .435 | .126 | .910 | .121 | 108 | -.183 | .063 | -.025 | -.437 |
| 52 | .436 | .129 | .922 | .109 | 109 | -.515 | .171 | -.202 | -1.283 |
| 53 | .374 | .131 | .877 | .033 | 110 | -.495 | .125 | -.199 | -1.002 |
| 54 | .202 | .148 | .819 | -.256 | 111 | -.447 | .106 | -.138 | -.999 |
| 55 | .291 | .122 | .836 | -.067 | 112 | -.364 | .091 | -.064 | -.833 |
| 56 | .377 | .115 | 1.043 | .135 | 113 | -.304 | .085 | -.064 | -.723 |
| 57 | .432 | .118 | 1.000 | .166 | 114 | -.312 | .086 | -.079 | -.690 |

WIND ENGINEERING STUDY OF FLOOR HEADQUARTERS BUILDING
IRVINE, CALIFORNIA WIND DIRECTION=300

| PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT | PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT |
|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|
| 115 | -.523 | .224 | -.162 | -1.619 | 172 | -.262 | .056 | -.108 | -.479 |
| 116 | -.501 | .152 | -.166 | -1.111 | 173 | -.263 | .068 | -.093 | -.622 |
| 117 | -.436 | .100 | -.168 | -.931 | 174 | -.285 | .086 | -.073 | -.689 |
| 118 | -.376 | .093 | -.141 | -.758 | 175 | -.279 | .085 | .029 | -.756 |
| 119 | -.315 | .088 | -.018 | -.719 | 176 | -.269 | .074 | .007 | -.644 |
| 120 | -.301 | .084 | .007 | -.693 | 177 | -.255 | .059 | -.051 | -.502 |
| 121 | -.456 | .131 | -.177 | -1.002 | 178 | -.257 | .059 | -.070 | -.521 |
| 122 | -.477 | .138 | -.195 | -1.120 | 179 | -.271 | .077 | -.074 | -.778 |
| 123 | -.498 | .134 | -.073 | -1.002 | 180 | -.280 | .084 | -.093 | -.779 |
| 124 | -.431 | .114 | -.040 | -.847 | 181 | -.235 | .054 | -.077 | -.460 |
| 125 | -.347 | .103 | .048 | -.892 | 182 | -.195 | .037 | -.015 | -.323 |
| 126 | -.283 | .099 | .037 | -.867 | 183 | -.233 | .047 | -.074 | -.428 |
| 127 | -.415 | .118 | -.145 | -.937 | 184 | -.201 | .032 | -.089 | -.342 |
| 128 | -.433 | .123 | -.141 | -1.071 | 185 | -.224 | .046 | -.103 | -.418 |
| 129 | -.438 | .127 | -.054 | -.975 | 186 | -.199 | .032 | -.054 | -.320 |
| 130 | -.416 | .126 | .055 | -.900 | 187 | -.223 | .044 | -.090 | -.438 |
| 131 | -.379 | .115 | .074 | -.893 | 188 | -.196 | .033 | -.073 | -.307 |
| 132 | -.379 | .139 | .041 | -1.101 | 189 | -.182 | .034 | -.041 | -.331 |
| 133 | -.411 | .108 | -.191 | -1.057 | 190 | -.193 | .034 | -.052 | -.339 |
| 134 | -.440 | .119 | -.173 | -1.073 | 191 | -.197 | .034 | -.080 | -.331 |
| 135 | -.447 | .125 | -.100 | -1.144 | 192 | -.204 | .038 | -.068 | -.365 |
| 136 | -.425 | .124 | -.039 | -1.060 | 193 | -.189 | .031 | -.077 | -.306 |
| 137 | -.359 | .108 | .015 | -1.003 | 194 | -.200 | .032 | -.074 | -.315 |
| 138 | -.362 | .131 | .004 | -.936 | 195 | -.210 | .034 | -.063 | -.358 |
| 139 | -.443 | .118 | -.172 | -1.013 | 196 | -.219 | .039 | -.092 | -.438 |
| 140 | -.452 | .122 | -.173 | -1.015 | 197 | -.195 | .035 | -.036 | -.323 |
| 141 | -.437 | .118 | -.156 | -1.054 | 198 | -.208 | .036 | -.026 | -.339 |
| 142 | -.398 | .116 | .007 | -1.057 | 199 | -.201 | .036 | -.045 | -.313 |
| 143 | -.318 | .115 | .016 | -.936 | 200 | -.207 | .040 | -.061 | -.411 |
| 144 | -.298 | .111 | .100 | -.961 | 201 | -.190 | .034 | -.073 | -.294 |
| 145 | -.330 | .088 | -.103 | -.760 | 202 | -.203 | .042 | -.069 | -.367 |
| 146 | -.313 | .092 | -.035 | -.778 | 203 | -.204 | .040 | -.066 | -.363 |
| 147 | -.296 | .086 | -.076 | -.772 | 204 | -.204 | .032 | -.096 | -.303 |
| 148 | -.309 | .101 | -.068 | -1.051 | 205 | -.204 | .034 | -.057 | -.377 |
| 149 | -.342 | .131 | -.074 | -1.021 | 206 | -.186 | .032 | -.067 | -.325 |
| 150 | -.310 | .107 | -.026 | -1.031 | 207 | -.192 | .033 | -.084 | -.332 |
| 151 | -.308 | .063 | -.058 | -.735 | 208 | -.185 | .036 | -.061 | -.332 |
| 152 | -.288 | .076 | -.070 | -.748 | 209 | -.195 | .039 | -.080 | -.376 |
| 153 | -.275 | .068 | -.090 | -.665 | 210 | -.195 | .036 | -.038 | -.326 |
| 154 | -.286 | .078 | -.074 | -.655 | 211 | -.196 | .034 | -.081 | -.309 |
| 155 | -.304 | .105 | -.064 | -.933 | 212 | -.197 | .035 | -.090 | -.324 |
| 156 | -.303 | .104 | -.051 | -1.073 | 213 | -.206 | .040 | -.041 | -.450 |
| 157 | -.293 | .083 | .025 | -.665 | 214 | -.201 | .036 | -.068 | -.348 |
| 158 | -.279 | .075 | -.004 | -.955 | 215 | -.192 | .034 | -.061 | -.336 |
| 159 | -.274 | .045 | -.167 | -.508 | 216 | -.193 | .034 | -.071 | -.334 |
| 160 | -.275 | .059 | -.073 | -.524 | 217 | -.193 | .036 | -.062 | -.383 |
| 161 | -.278 | .068 | -.061 | -.649 | 218 | -.194 | .034 | -.087 | -.330 |
| 162 | -.299 | .080 | -.070 | -.712 | 219 | -.195 | .033 | -.102 | -.324 |
| 163 | -.333 | .104 | .017 | -.983 | 220 | -.193 | .033 | -.110 | -.332 |
| 164 | -.298 | .077 | -.036 | -.572 | 221 | -.185 | .035 | -.087 | -.305 |
| 165 | -.278 | .064 | -.058 | -.504 | 222 | -.190 | .036 | -.098 | -.326 |
| 166 | -.286 | .063 | -.108 | -.523 | 223 | -.182 | .032 | -.073 | -.299 |
| 167 | -.291 | .075 | -.111 | -.623 | 224 | -.178 | .032 | -.067 | -.305 |
| 168 | -.302 | .085 | -.108 | -.735 | 225 | -.194 | .034 | -.083 | -.314 |
| 169 | -.316 | .092 | -.044 | -.789 | 226 | -.204 | .035 | -.087 | -.318 |
| 170 | -.295 | .077 | -.057 | -.667 | 227 | -.204 | .035 | -.089 | -.345 |
| 171 | -.264 | .064 | -.060 | -.537 | 228 | -.201 | .036 | -.093 | -.330 |

WIND ENGINEERING STUDY OF FLUOR HEADQUARTERS BUILDING
IRVINE, CALIFORNIA

WIND DIRECTION=300

| PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT | PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT |
|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|
| 229 | -.193 | .035 | -.092 | -.315 | 286 | -.421 | .086 | -.187 | -.824 |
| 230 | -.198 | .036 | -.087 | -.348 | 287 | -.218 | .075 | .044 | -.561 |
| 231 | -.224 | .047 | -.110 | -.413 | 288 | -.218 | .073 | .066 | -.524 |
| 232 | -.166 | .045 | -.072 | -.379 | 289 | -.225 | .072 | .035 | -.530 |
| 233 | -.185 | .035 | -.061 | -.409 | 290 | -.250 | .065 | -.031 | -.499 |
| 234 | -.191 | .035 | -.087 | -.317 | 291 | -.392 | .082 | -.136 | -.773 |
| 235 | -.113 | .040 | .059 | -.250 | 292 | -.429 | .082 | -.195 | -.933 |
| 236 | .149 | .097 | .636 | -.084 | 293 | -.233 | .065 | -.040 | -.537 |
| 237 | -.181 | .035 | -.064 | -.314 | 294 | -.236 | .062 | -.019 | -.543 |
| 238 | -.193 | .037 | -.080 | -.333 | 295 | -.239 | .063 | -.044 | -.599 |
| 239 | -.197 | .038 | -.058 | -.345 | 296 | -.250 | .052 | -.076 | -.512 |
| 240 | -.193 | .037 | -.070 | -.321 | 298 | -.330 | .060 | -.168 | -.561 |
| 241 | -.196 | .045 | -.056 | -.364 | 299 | -.617 | .162 | .007 | -1.141 |
| 242 | -.234 | .047 | -.089 | -.410 | 300 | -.631 | .111 | -.245 | -1.038 |
| 243 | -.053 | .069 | .213 | -.259 | 301 | -.562 | .154 | -.048 | -1.010 |
| 244 | -.273 | .058 | -.130 | -.570 | 302 | -.620 | .135 | -.236 | -1.105 |
| 245 | -.279 | .116 | -.038 | -.972 | 303 | -.441 | .077 | -.225 | -.719 |
| 246 | -.273 | .111 | -.057 | -1.042 | 304 | -.366 | .070 | -.163 | -.641 |
| 247 | -.246 | .066 | -.089 | -.678 | 305 | -.271 | .082 | -.054 | -.590 |
| 248 | -.215 | .058 | -.034 | -.553 | 306 | -.086 | .084 | .148 | -.394 |
| 249 | -.248 | .082 | -.029 | -.785 | 307 | -.167 | .058 | .070 | -.411 |
| 250 | -.273 | .097 | -.054 | -.958 | 308 | -.157 | .067 | .059 | -.486 |
| 251 | -.256 | .077 | -.067 | -.776 | 309 | -.186 | .080 | .038 | -.543 |
| 252 | -.230 | .050 | -.086 | -.521 | 310 | .106 | .168 | .526 | -.727 |
| 253 | -.227 | .045 | -.105 | -.438 | 311 | -.037 | .195 | .445 | -.648 |
| 254 | -.225 | .051 | -.079 | -.489 | 312 | -.538 | .229 | .434 | -1.237 |
| 255 | -.223 | .064 | -.040 | -.597 | 313 | -.566 | .118 | .022 | -.977 |
| 256 | -.239 | .077 | -.028 | -.742 | 314 | .032 | .130 | .397 | -.676 |
| 257 | -.285 | .071 | -.098 | -.667 | 315 | -.054 | .169 | .392 | -.688 |
| 258 | -.258 | .059 | -.102 | -.571 | 316 | -.318 | .070 | -.076 | -.667 |
| 259 | -.239 | .052 | -.092 | -.454 | 317 | -.274 | .064 | -.093 | -.760 |
| 260 | -.237 | .057 | -.056 | -.767 | 318 | -.279 | .070 | -.059 | -.555 |
| 261 | -.214 | .053 | -.056 | -.597 | 319 | -.326 | .083 | -.082 | -.610 |
| 262 | -.221 | .055 | -.018 | -.523 | 320 | -.180 | .053 | -.039 | -.698 |
| 263 | -.248 | .083 | -.022 | -.744 | 321 | -.173 | .048 | .010 | -.455 |
| 264 | -.243 | .098 | .023 | -.810 | 322 | -.268 | .081 | -.019 | -.628 |
| 265 | -.233 | .098 | .081 | -.783 | 323 | -.245 | .071 | .030 | -.522 |
| 266 | -.225 | .085 | .037 | -.774 | 324 | -.271 | .083 | -.004 | -.648 |
| 267 | -.222 | .071 | .034 | -.706 | 325 | -.243 | .072 | -.029 | -.607 |
| 268 | -.249 | .075 | -.001 | -.673 | 326 | -.360 | .063 | -.141 | -.628 |
| 269 | -.230 | .081 | -.004 | -.773 | 327 | -.179 | .031 | -.063 | -.326 |
| 270 | -.219 | .075 | .007 | -.641 | 328 | -.166 | .067 | .100 | -.378 |
| 271 | -.213 | .057 | -.072 | -.515 | 329 | -.195 | .038 | -.051 | -.332 |
| 272 | -.204 | .059 | -.038 | -.536 | 330 | -.181 | .034 | -.075 | -.293 |
| 273 | -.047 | .044 | .095 | -.441 | 331 | -.230 | .079 | -.022 | -.751 |
| 274 | -.225 | .075 | .006 | -.750 | 332 | -.193 | .045 | -.026 | -.367 |
| 276 | -.224 | .062 | -.032 | -.725 | 333 | -.213 | .051 | -.060 | -.467 |
| 277 | -.214 | .060 | -.082 | -.999 | 334 | -.196 | .039 | -.064 | -.384 |
| 278 | -.215 | .055 | -.061 | -.777 | 335 | -.210 | .044 | -.045 | -.400 |
| 279 | -.212 | .053 | -.070 | -.583 | 336 | -.186 | .039 | -.045 | -.332 |
| 280 | -.221 | .060 | -.051 | -.533 | 337 | -.159 | .035 | -.050 | -.310 |
| 281 | -.239 | .069 | -.003 | -.515 | 338 | .074 | .019 | .141 | -.016 |
| 282 | -.249 | .074 | .035 | -.613 | 339 | -.176 | .037 | -.067 | -.321 |
| 283 | -.282 | .075 | -.066 | -.589 | 340 | -.185 | .036 | -.074 | -.333 |
| 284 | -.358 | .095 | -.114 | -.794 | 341 | -.178 | .035 | -.062 | -.293 |
| 285 | -.361 | .074 | -.138 | -.693 | 342 | -.190 | .036 | -.084 | -.323 |

WIND ENGINEERING STUDY OF FLUOR HEADQUARTERS BUILDING
IRVINE, CALIFORNIA

WIND DIRECTION=315

| PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT | PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT |
|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|
| 1 | -.447 | .101 | -.186 | -.817 | 58 | .329 | .102 | .774 | .068 |
| 2 | -.324 | .109 | .046 | -.771 | 59 | .214 | .102 | .620 | -.049 |
| 3 | -.314 | .109 | .042 | -.745 | 60 | -.055 | .113 | .371 | -.439 |
| 4 | -.414 | .128 | .016 | -.844 | 61 | .346 | .097 | .742 | .083 |
| 5 | -.449 | .139 | .070 | -1.017 | 62 | .350 | .097 | .787 | .122 |
| 6 | -.363 | .134 | .142 | -.808 | 63 | .336 | .094 | .713 | .132 |
| 7 | -.179 | .065 | .068 | -.408 | 64 | .281 | .089 | .628 | .079 |
| 8 | .111 | .095 | .443 | -.129 | 65 | .203 | .084 | .535 | -.012 |
| 9 | .180 | .105 | .653 | -.131 | 66 | -.033 | .098 | .361 | -.407 |
| 10 | .221 | .112 | .732 | -.109 | 67 | .347 | .093 | .752 | .121 |
| 11 | .279 | .114 | .700 | -.032 | 68 | .365 | .096 | .823 | .144 |
| 12 | .303 | .158 | .764 | -.368 | 69 | .368 | .095 | .801 | .152 |
| 13 | -.111 | .055 | .206 | -.321 | 70 | .305 | .087 | .682 | .112 |
| 14 | .142 | .087 | .498 | -.127 | 71 | .188 | .083 | .513 | -.014 |
| 15 | .239 | .092 | .608 | -.004 | 72 | -.044 | .094 | .324 | -.434 |
| 16 | .316 | .095 | .706 | .105 | 73 | -.534 | .151 | -.186 | -1.099 |
| 17 | .359 | .115 | .815 | .109 | 74 | -.349 | .111 | -.040 | -.824 |
| 18 | .360 | .158 | .936 | -.158 | 75 | -.385 | .104 | .037 | -.801 |
| 19 | -.083 | .056 | .147 | -.246 | 76 | -.349 | .090 | .040 | -.693 |
| 20 | .152 | .073 | .523 | -.040 | 77 | -.306 | .072 | -.039 | -.580 |
| 21 | .255 | .083 | .613 | .047 | 78 | -.298 | .066 | -.107 | -.534 |
| 22 | .315 | .091 | .650 | .063 | 79 | -.473 | .196 | .121 | -1.198 |
| 23 | .369 | .095 | .708 | .092 | 80 | -.099 | .122 | .198 | -.693 |
| 24 | .372 | .124 | .778 | -.163 | 81 | -.060 | .058 | .152 | -.359 |
| 25 | -.084 | .049 | .105 | -.243 | 82 | -.068 | .053 | .155 | -.258 |
| 26 | .152 | .063 | .403 | -.007 | 83 | -.090 | .051 | .101 | -.240 |
| 27 | .246 | .065 | .456 | .099 | 84 | -.185 | .049 | -.039 | -.359 |
| 28 | .283 | .084 | .605 | .083 | 85 | -.430 | .177 | .221 | -1.163 |
| 29 | .315 | .097 | .710 | .065 | 86 | -.169 | .212 | .252 | -1.026 |
| 30 | .304 | .119 | .702 | -.257 | 87 | .006 | .064 | .180 | -.362 |
| 31 | .098 | .059 | .387 | -.069 | 88 | -.044 | .050 | .158 | -.231 |
| 32 | .229 | .080 | .633 | .053 | 89 | -.090 | .042 | .073 | -.255 |
| 33 | .268 | .084 | .777 | .088 | 90 | -.002 | .030 | .103 | -.134 |
| 34 | .301 | .093 | .861 | .109 | 91 | -.437 | .169 | .182 | -1.227 |
| 35 | .336 | .093 | .813 | .070 | 92 | -.250 | .219 | .249 | -.946 |
| 36 | .256 | .040 | .443 | .088 | 93 | -.081 | .105 | .180 | -.764 |
| 37 | -.490 | .148 | .173 | -1.090 | 94 | -.067 | .055 | .145 | -.362 |
| 38 | -.560 | .145 | .081 | -1.178 | 95 | -.106 | .046 | .078 | -.324 |
| 39 | -.498 | .132 | .119 | -1.029 | 96 | -.191 | .048 | -.066 | -.400 |
| 40 | -.430 | .124 | .140 | -.838 | 97 | -.366 | .140 | .194 | -.962 |
| 41 | -.435 | .123 | .030 | -.840 | 98 | -.233 | .190 | .274 | -.938 |
| 42 | -.449 | .123 | -.010 | -.969 | 99 | -.065 | .095 | .209 | -.594 |
| 43 | .301 | .151 | .813 | -.127 | 100 | -.059 | .050 | .154 | -.334 |
| 44 | .291 | .140 | .722 | -.091 | 101 | -.098 | .039 | .058 | -.251 |
| 45 | .284 | .131 | .762 | -.060 | 102 | -.183 | .046 | -.045 | -.349 |
| 46 | .255 | .124 | .747 | -.092 | 103 | -.225 | .126 | .336 | -.963 |
| 47 | .196 | .117 | .638 | -.130 | 104 | -.135 | .149 | .318 | -.676 |
| 48 | -.062 | .120 | .404 | -.441 | 105 | -.017 | .080 | .294 | -.592 |
| 49 | .418 | .134 | .922 | .025 | 106 | -.009 | .039 | .201 | -.154 |
| 50 | .422 | .127 | .892 | .145 | 107 | -.092 | .047 | .091 | -.313 |
| 51 | .390 | .120 | .847 | .112 | 108 | -.114 | .044 | .037 | -.301 |
| 52 | .338 | .115 | .780 | .063 | 109 | -.271 | .063 | -.018 | -.495 |
| 53 | .223 | .107 | .647 | -.045 | 110 | -.288 | .072 | -.022 | -.588 |
| 54 | -.069 | .114 | .368 | -.458 | 111 | -.276 | .083 | -.013 | -.743 |
| 55 | .393 | .116 | .895 | .081 | 112 | -.272 | .089 | .016 | -.738 |
| 56 | .398 | .112 | .905 | .150 | 113 | -.266 | .091 | .033 | -.690 |
| 57 | .386 | .105 | .919 | .140 | 114 | -.259 | .084 | .018 | -.629 |

WIND ENGINEERING STUDY OF FLUOR HEADQUARTERS BUILDING
IRVINE, CALIFORNIA

WIND DIRECTION=315

| PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT | PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT |
|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|
| 115 | -.233 | .054 | -.058 | -.424 | 172 | -.225 | .058 | -.055 | -.533 |
| 116 | -.248 | .058 | -.046 | -.474 | 173 | -.208 | .065 | -.015 | -.535 |
| 117 | -.252 | .064 | -.045 | -.517 | 174 | -.223 | .090 | .015 | -.796 |
| 118 | -.261 | .074 | -.040 | -.649 | 175 | -.245 | .064 | -.049 | -.534 |
| 119 | -.267 | .080 | -.042 | -.640 | 176 | -.242 | .059 | -.054 | -.509 |
| 120 | -.262 | .077 | -.045 | -.673 | 177 | -.232 | .056 | -.057 | -.454 |
| 121 | -.241 | .054 | -.073 | -.500 | 178 | -.229 | .057 | -.068 | -.485 |
| 122 | -.248 | .056 | -.073 | -.515 | 179 | -.197 | .062 | .022 | -.550 |
| 123 | -.243 | .057 | -.072 | -.585 | 180 | -.205 | .074 | -.045 | -.668 |
| 124 | -.249 | .059 | -.084 | -.506 | 181 | -.220 | .055 | -.054 | -.645 |
| 125 | -.256 | .057 | -.082 | -.509 | 182 | -.194 | .043 | -.055 | -.419 |
| 126 | -.231 | .063 | -.060 | -.543 | 183 | -.220 | .050 | -.026 | -.508 |
| 127 | -.207 | .053 | -.057 | -.398 | 184 | -.199 | .044 | -.081 | -.450 |
| 128 | -.213 | .054 | -.063 | -.415 | 185 | -.212 | .053 | -.042 | -.451 |
| 129 | -.216 | .055 | -.048 | -.517 | 186 | -.196 | .044 | -.061 | -.393 |
| 130 | -.230 | .058 | -.030 | -.605 | 187 | -.219 | .062 | -.012 | -.533 |
| 131 | -.264 | .060 | -.064 | -.519 | 188 | -.192 | .046 | -.049 | -.367 |
| 132 | -.278 | .071 | -.103 | -.623 | 189 | -.175 | .044 | .015 | -.326 |
| 133 | -.233 | .042 | -.115 | -.335 | 190 | -.184 | .043 | .006 | -.343 |
| 134 | -.247 | .056 | -.096 | -.416 | 191 | -.194 | .042 | -.054 | -.368 |
| 135 | -.257 | .054 | -.063 | -.591 | 192 | -.219 | .051 | -.029 | -.399 |
| 136 | -.264 | .057 | -.048 | -.534 | 193 | -.187 | .042 | -.055 | -.374 |
| 137 | -.265 | .056 | -.096 | -.477 | 194 | -.196 | .042 | -.051 | -.387 |
| 138 | -.289 | .070 | -.049 | -.636 | 195 | -.199 | .041 | -.077 | -.324 |
| 139 | -.256 | .063 | -.096 | -.525 | 196 | -.219 | .052 | -.076 | -.397 |
| 140 | -.260 | .063 | -.096 | -.537 | 197 | -.178 | .040 | -.042 | -.364 |
| 141 | -.252 | .058 | -.103 | -.492 | 198 | -.186 | .042 | -.033 | -.383 |
| 142 | -.256 | .067 | -.084 | -.553 | 199 | -.186 | .038 | -.023 | -.314 |
| 143 | -.239 | .065 | -.063 | -.543 | 200 | -.210 | .047 | -.084 | -.381 |
| 144 | -.256 | .057 | -.112 | -.477 | 201 | -.170 | .041 | .006 | -.349 |
| 145 | -.251 | .020 | -.204 | -.306 | 202 | -.176 | .044 | -.006 | -.370 |
| 146 | -.260 | .089 | -.009 | -.701 | 203 | -.182 | .041 | -.020 | -.329 |
| 147 | -.260 | .102 | .013 | -.793 | 204 | -.210 | .046 | -.100 | -.368 |
| 148 | -.302 | .147 | .006 | -1.119 | 205 | -.217 | .057 | -.068 | -.453 |
| 149 | -.295 | .140 | .006 | -1.049 | 206 | -.200 | .052 | -.063 | -.442 |
| 150 | -.262 | .077 | -.039 | -.701 | 207 | -.200 | .049 | -.070 | -.393 |
| 151 | -.237 | .069 | -.013 | -.649 | 208 | -.211 | .054 | -.055 | -.382 |
| 152 | -.240 | .076 | -.009 | -.671 | 209 | -.239 | .067 | -.081 | -.489 |
| 153 | -.250 | .094 | -.045 | -.793 | 210 | -.229 | .062 | -.076 | -.456 |
| 154 | -.282 | .124 | .010 | -1.011 | 211 | -.223 | .053 | -.090 | -.418 |
| 155 | -.265 | .098 | -.071 | -.867 | 212 | -.221 | .053 | -.087 | -.445 |
| 156 | -.254 | .073 | -.035 | -.760 | 213 | -.260 | .067 | -.123 | -.520 |
| 157 | -.253 | .059 | -.047 | -.477 | 214 | -.238 | .059 | -.095 | -.424 |
| 158 | -.255 | .058 | -.108 | -.448 | 215 | -.219 | .051 | -.087 | -.391 |
| 159 | -.267 | .080 | -.060 | -.498 | 216 | -.217 | .050 | -.076 | -.406 |
| 160 | -.267 | .060 | -.068 | -.525 | 217 | -.237 | .063 | -.080 | -.505 |
| 161 | -.263 | .070 | -.068 | -.709 | 218 | -.225 | .054 | -.056 | -.430 |
| 162 | -.289 | .084 | -.068 | -.799 | 219 | -.204 | .045 | -.080 | -.345 |
| 163 | -.264 | .067 | -.092 | -.586 | 220 | -.201 | .045 | -.068 | -.339 |
| 164 | -.255 | .059 | -.047 | -.534 | 221 | -.194 | .047 | -.039 | -.378 |
| 165 | -.241 | .058 | -.077 | -.487 | 222 | -.199 | .048 | -.044 | -.348 |
| 166 | -.248 | .061 | -.055 | -.607 | 223 | -.191 | .041 | -.053 | -.362 |
| 167 | -.246 | .061 | -.096 | -.543 | 224 | -.182 | .040 | -.044 | -.345 |
| 168 | -.260 | .085 | -.049 | -.813 | 225 | -.201 | .041 | -.058 | -.354 |
| 169 | -.256 | .062 | -.097 | -.608 | 226 | -.210 | .041 | -.064 | -.359 |
| 170 | -.250 | .055 | -.099 | -.502 | 227 | -.215 | .048 | -.064 | -.405 |
| 171 | -.235 | .059 | -.074 | -.504 | 228 | -.215 | .050 | -.059 | -.419 |

WIND ENGINEERING STUDY OF FLUOR HEADQUARTERS BUILDING
IRVINE, CALIFORNIA

WIND DIRECTION=315

| PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT | PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT |
|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|
| 229 | -.204 | .048 | -.030 | -.342 | 286 | -.509 | .107 | -.216 | -1.012 |
| 230 | -.206 | .049 | -.055 | -.381 | 287 | -.274 | .079 | -.040 | -.624 |
| 231 | -.234 | .057 | -.074 | -.439 | 288 | -.227 | .066 | .084 | -.492 |
| 232 | -.193 | .053 | -.027 | -.384 | 289 | -.228 | .067 | .034 | -.542 |
| 233 | -.200 | .047 | -.071 | -.394 | 290 | -.237 | .059 | -.022 | -.473 |
| 234 | -.205 | .047 | -.083 | -.391 | 291 | -.342 | .106 | .006 | -.777 |
| 235 | -.115 | .051 | .098 | -.290 | 292 | -.519 | .102 | -.185 | -.977 |
| 236 | .172 | .103 | .587 | -.188 | 293 | -.267 | .095 | .004 | -.714 |
| 237 | -.194 | .050 | -.034 | -.369 | 294 | -.264 | .097 | .057 | -.726 |
| 238 | -.201 | .051 | -.050 | -.375 | 295 | -.259 | .090 | .078 | -.807 |
| 239 | -.214 | .049 | -.067 | -.384 | 296 | -.271 | .075 | .007 | -.669 |
| 240 | -.209 | .049 | -.046 | -.372 | 298 | -.337 | .073 | -.157 | -.643 |
| 241 | -.233 | .054 | -.068 | -.439 | 299 | -.657 | .141 | -.206 | -1.177 |
| 242 | -.237 | .053 | -.080 | -.416 | 300 | -.650 | .131 | -.267 | -1.233 |
| 243 | -.056 | .072 | .290 | -.342 | 301 | -.402 | .126 | .056 | -.851 |
| 244 | -.270 | .066 | -.079 | -.562 | 302 | -.425 | .122 | -.012 | -.893 |
| 245 | -.251 | .078 | -.050 | -.664 | 303 | -.356 | .083 | -.044 | -.711 |
| 246 | -.244 | .067 | -.050 | -.582 | 304 | -.332 | .075 | -.082 | -.616 |
| 247 | -.228 | .059 | -.054 | -.595 | 305 | -.191 | .059 | .003 | -.488 |
| 248 | -.233 | .082 | -.015 | -.693 | 306 | -.156 | .077 | .141 | -.472 |
| 249 | -.269 | .108 | .123 | -.833 | 307 | -.178 | .061 | .054 | -.441 |
| 250 | -.268 | .102 | .043 | -.755 | 308 | -.181 | .068 | .062 | -.436 |
| 251 | -.231 | .061 | -.034 | -.536 | 309 | -.308 | .093 | .059 | -.889 |
| 252 | -.228 | .055 | -.087 | -.667 | 310 | -.029 | .265 | .679 | -1.027 |
| 253 | -.215 | .050 | -.051 | -.455 | 311 | -.249 | .210 | .368 | -.815 |
| 254 | -.222 | .060 | -.010 | -.473 | 312 | -.306 | .264 | .579 | -.996 |
| 255 | -.230 | .075 | .022 | -.557 | 313 | -.438 | .150 | .142 | -.890 |
| 256 | -.246 | .083 | .012 | -.645 | 314 | -.196 | .171 | .344 | -.685 |
| 257 | -.261 | .066 | -.062 | -.620 | 315 | -.253 | .161 | .493 | -.628 |
| 258 | -.243 | .061 | -.073 | -.632 | 316 | -.234 | .057 | -.027 | -.475 |
| 259 | -.233 | .057 | -.090 | -.583 | 317 | -.222 | .054 | -.029 | -.430 |
| 260 | -.240 | .063 | -.063 | -.686 | 318 | -.259 | .075 | -.033 | -.618 |
| 261 | -.232 | .071 | -.028 | -.636 | 319 | -.286 | .077 | -.062 | -.650 |
| 262 | -.255 | .079 | -.015 | -.677 | 320 | -.199 | .062 | -.022 | -.616 |
| 263 | -.257 | .102 | .106 | -.749 | 321 | -.193 | .058 | -.003 | -.555 |
| 264 | -.279 | .132 | .150 | -1.002 | 322 | -.236 | .076 | .032 | -.516 |
| 265 | -.274 | .116 | .018 | -.834 | 323 | -.225 | .074 | .026 | -.475 |
| 266 | -.278 | .099 | .004 | -1.072 | 324 | -.327 | .103 | .151 | -.733 |
| 267 | -.302 | .084 | -.051 | -.726 | 325 | -.335 | .091 | .135 | -.725 |
| 268 | -.327 | .086 | -.090 | -.871 | 326 | -.392 | .070 | -.201 | -.682 |
| 269 | -.261 | .103 | .018 | -.693 | 327 | -.181 | .034 | -.041 | -.338 |
| 270 | -.263 | .103 | .059 | -.949 | 328 | -.178 | .076 | .132 | -.423 |
| 271 | -.252 | .089 | .007 | -1.048 | 329 | -.200 | .048 | -.047 | -.356 |
| 272 | -.245 | .087 | .032 | -.704 | 330 | -.195 | .044 | -.065 | -.345 |
| 273 | -.074 | .063 | .112 | -.610 | 331 | -.303 | .075 | -.069 | -.670 |
| 274 | -.297 | .094 | -.013 | -.754 | 332 | -.226 | .045 | -.071 | -.403 |
| 276 | -.259 | .082 | -.051 | -.804 | 333 | -.252 | .065 | -.068 | -.616 |
| 277 | -.255 | .079 | -.016 | -.718 | 334 | -.224 | .050 | -.081 | -.442 |
| 278 | -.263 | .083 | .010 | -1.087 | 335 | -.216 | .051 | -.078 | -.420 |
| 279 | -.264 | .086 | -.009 | -.843 | 336 | -.203 | .044 | -.063 | -.351 |
| 280 | -.278 | .101 | -.026 | -1.291 | 337 | -.175 | .054 | -.006 | -.388 |
| 281 | -.335 | .082 | -.082 | -.733 | 338 | .065 | .031 | .164 | -.060 |
| 282 | -.330 | .085 | -.050 | -.699 | 339 | -.185 | .055 | .007 | -.413 |
| 283 | -.369 | .089 | -.081 | -.745 | 340 | -.207 | .057 | -.030 | -.439 |
| 284 | -.421 | .104 | -.073 | -1.034 | 341 | -.156 | .093 | .233 | -.314 |
| 285 | -.363 | .088 | -.129 | -.745 | 342 | -.198 | .048 | -.040 | -.388 |

WIND ENGINEERING STUDY OF FLUOR HEADQUARTERS BUILDING
IRVINE, CALIFORNIA

WIND DIRECTION=330

| PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT | PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT |
|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|
| 1 | -.417 | .142 | .115 | -.910 | 58 | .325 | .103 | .735 | .088 |
| 2 | -.432 | .140 | .144 | -.947 | 59 | .241 | .127 | .752 | -.239 |
| 3 | -.499 | .120 | .003 | -.917 | 60 | .258 | .089 | .673 | .010 |
| 4 | -.448 | .138 | .099 | -.900 | 61 | .047 | .078 | .420 | -.135 |
| 5 | -.057 | .111 | .443 | -.449 | 62 | -.237 | .081 | .059 | -.628 |
| 6 | .224 | .117 | .674 | -.095 | 63 | .022 | .064 | .335 | -.150 |
| 7 | -.489 | .145 | .072 | -1.034 | 64 | -.248 | .077 | .036 | -.522 |
| 8 | -.352 | .145 | .145 | -.988 | 65 | .227 | .077 | .651 | .040 |
| 9 | .334 | .144 | .819 | -.026 | 66 | .149 | .071 | .539 | -.026 |
| 10 | .348 | .150 | .857 | -.095 | 67 | .246 | .077 | .548 | .030 |
| 11 | .267 | .127 | .690 | -.024 | 68 | .164 | .064 | .460 | -.040 |
| 12 | .301 | .135 | .750 | -.020 | 69 | .270 | .104 | .651 | -.174 |
| 13 | .411 | .125 | .857 | .106 | 70 | .291 | .084 | .628 | .010 |
| 14 | -.043 | .071 | .263 | -.249 | 71 | .038 | .214 | .532 | -.854 |
| 15 | .434 | .129 | .874 | .098 | 72 | -.139 | .207 | .476 | -.804 |
| 16 | -.055 | .082 | .269 | -.341 | 73 | -.636 | .163 | -.205 | -1.264 |
| 17 | .356 | .120 | .825 | .046 | 74 | -.364 | .103 | -.100 | -.895 |
| 18 | .243 | .096 | .645 | .003 | 75 | -.354 | .111 | -.054 | -1.204 |
| 19 | .259 | .110 | .735 | -.050 | 76 | -.291 | .089 | -.039 | -.755 |
| 20 | .415 | .135 | .838 | .065 | 77 | -.231 | .073 | -.021 | -.574 |
| 21 | .399 | .115 | .817 | .155 | 78 | -.220 | .058 | -.057 | -.520 |
| 22 | .379 | .115 | .792 | .088 | 79 | -.765 | .235 | -.153 | -1.677 |
| 23 | .319 | .106 | .752 | .104 | 80 | -.407 | .170 | -.045 | -1.057 |
| 24 | .377 | .114 | .792 | .128 | 81 | -.204 | .073 | -.043 | -.592 |
| 25 | .305 | .094 | .834 | .065 | 82 | -.155 | .044 | -.027 | -.373 |
| 26 | .338 | .094 | .903 | .101 | 83 | -.140 | .034 | -.025 | -.269 |
| 27 | -.061 | .066 | .190 | -.306 | 84 | -.168 | .039 | -.043 | -.314 |
| 28 | .219 | .082 | .610 | .019 | 85 | -.592 | .127 | -.222 | -1.123 |
| 29 | .097 | .070 | .387 | -.168 | 86 | -.554 | .166 | -.028 | -1.097 |
| 30 | .274 | .085 | .699 | .088 | 87 | -.233 | .154 | .030 | -.862 |
| 31 | .363 | .097 | .755 | .134 | 88 | -.173 | .092 | .025 | -.696 |
| 32 | .332 | .104 | .745 | .047 | 89 | -.138 | .047 | .018 | -.473 |
| 33 | .380 | .104 | .844 | .150 | 90 | .016 | .027 | .095 | -.123 |
| 34 | .268 | .037 | .473 | .180 | 91 | -.551 | .124 | -.254 | -1.193 |
| 35 | .336 | .097 | .737 | .118 | 92 | -.520 | .148 | -.057 | -1.100 |
| 36 | .380 | .107 | .809 | .152 | 93 | -.350 | .169 | -.018 | -.940 |
| 37 | -.451 | .142 | .095 | -.974 | 94 | -.206 | .116 | .019 | -.742 |
| 38 | -.570 | .151 | -.030 | -1.115 | 95 | -.169 | .077 | .051 | -.599 |
| 39 | -.505 | .052 | -.363 | -.656 | 96 | -.176 | .055 | -.013 | -.470 |
| 40 | -.362 | .107 | .025 | -.705 | 97 | -.504 | .111 | -.265 | -1.224 |
| 41 | -.323 | .105 | .022 | -.778 | 98 | -.496 | .134 | -.107 | -1.066 |
| 42 | -.485 | .114 | -.116 | -.961 | 99 | -.363 | .166 | .043 | -1.187 |
| 43 | .241 | .153 | .796 | -.376 | 100 | -.225 | .131 | .110 | -.906 |
| 44 | .223 | .124 | .735 | -.083 | 101 | -.166 | .083 | .064 | -.730 |
| 45 | .164 | .116 | .550 | -.193 | 102 | -.170 | .061 | .031 | -.604 |
| 46 | .127 | .105 | .468 | -.211 | 103 | -.436 | .133 | -.100 | -1.123 |
| 47 | .046 | .087 | .379 | -.211 | 104 | -.423 | .147 | -.009 | -1.188 |
| 48 | -.291 | .119 | .076 | -.870 | 105 | -.277 | .162 | .077 | -.968 |
| 49 | .342 | .148 | .810 | -.329 | 106 | -.128 | .100 | .113 | -.654 |
| 50 | .339 | .117 | .827 | .057 | 107 | -.138 | .069 | .036 | -.665 |
| 51 | .284 | .102 | .686 | .034 | 108 | -.095 | .045 | .049 | -.427 |
| 52 | .218 | .094 | .592 | -.040 | 109 | -.207 | .056 | -.030 | -.440 |
| 53 | .069 | .087 | .440 | -.159 | 110 | -.215 | .073 | .016 | -.616 |
| 54 | -.262 | .086 | .085 | -.556 | 111 | -.211 | .084 | .034 | -.578 |
| 55 | .275 | .092 | .605 | .050 | 112 | -.215 | .096 | .074 | -.675 |
| 56 | .191 | .084 | .536 | .003 | 113 | -.213 | .096 | .088 | -.693 |
| 57 | .314 | .138 | .746 | -.142 | 114 | -.196 | .078 | .018 | -.690 |

WIND ENGINEERING STUDY OF FLUOR HEADQUARTERS BUILDING
IRVINE, CALIFORNIA

WIND DIRECTION=330

| PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT | PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT |
|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|
| 115 | -.178 | .047 | -.040 | -.387 | 172 | -.159 | .042 | -.018 | -.393 |
| 116 | -.191 | .054 | -.009 | -.462 | 173 | -.146 | .043 | .035 | -.482 |
| 117 | -.193 | .064 | .021 | -.559 | 174 | -.173 | .054 | .018 | -.810 |
| 118 | -.198 | .075 | 0.000 | -.544 | 175 | -.180 | .052 | -.015 | -.454 |
| 119 | -.209 | .080 | .055 | -.596 | 176 | -.175 | .047 | -.041 | -.367 |
| 120 | -.198 | .074 | .015 | -.534 | 177 | -.161 | .043 | -.043 | -.348 |
| 121 | -.186 | .048 | -.057 | -.375 | 178 | -.154 | .041 | -.013 | -.340 |
| 122 | -.186 | .051 | -.025 | -.367 | 179 | -.151 | .043 | .015 | -.336 |
| 123 | -.186 | .058 | -.025 | -.452 | 180 | -.184 | .047 | -.029 | -.470 |
| 124 | -.189 | .056 | -.043 | -.445 | 181 | -.229 | .060 | 0.000 | -.676 |
| 125 | -.193 | .059 | -.067 | -.449 | 182 | -.223 | .052 | -.040 | -.404 |
| 126 | -.151 | .061 | -.018 | -.510 | 183 | -.235 | .057 | -.093 | -.546 |
| 127 | -.189 | .064 | -.027 | -.623 | 184 | -.226 | .054 | -.069 | -.445 |
| 128 | -.184 | .062 | .015 | -.507 | 185 | -.228 | .061 | -.031 | -.616 |
| 129 | -.176 | .057 | -.010 | -.454 | 186 | -.225 | .057 | -.071 | -.440 |
| 130 | -.181 | .053 | -.027 | -.412 | 187 | -.250 | .070 | -.069 | -.535 |
| 131 | -.198 | .055 | -.062 | -.393 | 188 | -.229 | .058 | -.078 | -.510 |
| 132 | -.208 | .060 | -.071 | -.488 | 189 | -.210 | .052 | -.057 | -.395 |
| 133 | -.192 | .066 | -.018 | -.571 | 190 | -.215 | .053 | -.074 | -.417 |
| 134 | -.190 | .063 | .013 | -.513 | 191 | -.198 | .045 | -.034 | -.355 |
| 135 | -.149 | .054 | -.049 | -.424 | 192 | -.209 | .049 | -.057 | -.407 |
| 136 | -.193 | .050 | -.062 | -.386 | 193 | -.203 | .047 | -.049 | -.370 |
| 137 | -.195 | .054 | -.057 | -.389 | 194 | -.210 | .048 | -.057 | -.387 |
| 138 | -.214 | .067 | -.057 | -.570 | 195 | -.213 | .048 | -.053 | -.376 |
| 139 | -.203 | .064 | -.040 | -.576 | 196 | -.223 | .053 | -.040 | -.461 |
| 140 | -.196 | .060 | -.038 | -.452 | 197 | -.204 | .049 | -.054 | -.429 |
| 141 | -.182 | .056 | -.037 | -.432 | 198 | -.212 | .051 | -.056 | -.489 |
| 142 | -.183 | .054 | -.038 | -.440 | 199 | -.203 | .048 | -.060 | -.387 |
| 143 | -.186 | .054 | -.044 | -.433 | 200 | -.217 | .053 | -.056 | -.440 |
| 144 | -.194 | .061 | -.057 | -.541 | 201 | -.198 | .052 | -.053 | -.393 |
| 145 | -.197 | .065 | -.012 | -.597 | 202 | -.194 | .047 | -.045 | -.390 |
| 146 | -.195 | .077 | .016 | -.620 | 203 | -.190 | .049 | -.047 | -.451 |
| 147 | -.193 | .081 | .018 | -.847 | 204 | -.206 | .047 | -.068 | -.442 |
| 148 | -.182 | .060 | .054 | -.644 | 205 | -.220 | .064 | -.040 | -.542 |
| 149 | -.189 | .058 | -.056 | -.591 | 206 | -.200 | .057 | .001 | -.429 |
| 150 | -.213 | .072 | -.025 | -.759 | 207 | -.204 | .062 | .001 | -.467 |
| 151 | -.179 | .056 | -.018 | -.443 | 208 | -.227 | .064 | -.024 | -.520 |
| 152 | -.177 | .056 | -.007 | -.492 | 209 | -.235 | .051 | -.080 | -.511 |
| 153 | -.165 | .048 | -.047 | -.436 | 210 | -.233 | .053 | -.068 | -.511 |
| 154 | -.172 | .044 | -.044 | -.667 | 211 | -.234 | .065 | -.043 | -.588 |
| 155 | -.183 | .041 | -.077 | -.411 | 212 | -.240 | .072 | -.040 | -.600 |
| 156 | -.205 | .055 | -.049 | -.641 | 213 | -.250 | .064 | -.077 | -.488 |
| 157 | -.187 | .054 | -.054 | -.455 | 214 | -.239 | .061 | -.061 | -.504 |
| 158 | -.181 | .049 | -.031 | -.402 | 215 | -.235 | .059 | -.064 | -.448 |
| 159 | -.183 | .046 | -.034 | -.389 | 216 | -.239 | .061 | -.059 | -.446 |
| 160 | -.182 | .041 | -.009 | -.352 | 217 | -.235 | .064 | -.046 | -.717 |
| 161 | -.176 | .040 | -.006 | -.340 | 218 | -.231 | .057 | -.064 | -.476 |
| 162 | -.201 | .046 | -.029 | -.415 | 219 | -.219 | .052 | -.066 | -.448 |
| 163 | -.195 | .054 | -.071 | -.452 | 220 | -.201 | .051 | -.074 | -.449 |
| 164 | -.182 | .048 | -.027 | -.445 | 221 | -.230 | .068 | -.034 | -.646 |
| 165 | -.188 | .044 | -.046 | -.418 | 222 | -.232 | .068 | -.010 | -.556 |
| 166 | -.171 | .041 | -.041 | -.414 | 223 | -.239 | .062 | .027 | -.482 |
| 167 | -.173 | .037 | -.013 | -.336 | 224 | -.226 | .056 | .034 | -.477 |
| 168 | -.193 | .044 | .021 | -.421 | 225 | -.250 | .071 | .022 | -.619 |
| 169 | -.186 | .056 | -.059 | -.404 | 226 | -.254 | .063 | .004 | -.529 |
| 170 | -.174 | .051 | -.047 | -.392 | 227 | -.258 | .065 | -.065 | -.613 |
| 171 | -.166 | .047 | -.041 | -.405 | 228 | -.263 | .066 | -.075 | -.606 |

WIND ENGINEERING STUDY OF FLUOR HEADQUARTERS BUILDING
IRVINE, CALIFORNIA

WIND DIRECTION=330

| PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT | PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT |
|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|
| 229 | -.243 | .061 | -.050 | -.652 | 286 | -.534 | .117 | -.145 | -.961 |
| 230 | -.237 | .059 | -.050 | -.519 | 287 | -.378 | .076 | -.117 | -.717 |
| 231 | -.276 | .066 | -.068 | -.519 | 288 | -.186 | .059 | .048 | -.421 |
| 232 | -.241 | .063 | -.033 | -.467 | 289 | -.133 | .064 | .165 | -.461 |
| 233 | -.221 | .049 | -.068 | -.386 | 290 | -.137 | .068 | .156 | -.472 |
| 234 | -.226 | .051 | -.062 | -.417 | 291 | -.151 | .090 | .164 | -.600 |
| 235 | -.136 | .064 | .127 | -.368 | 292 | -.452 | .143 | .155 | -1.012 |
| 236 | .185 | .117 | .706 | -.208 | 293 | -.335 | .096 | .048 | -.740 |
| 237 | -.226 | .058 | -.035 | -.473 | 294 | -.200 | .088 | .073 | -.699 |
| 238 | -.226 | .059 | -.016 | -.458 | 295 | -.163 | .101 | .146 | -.740 |
| 239 | -.260 | .063 | -.071 | -.507 | 296 | -.176 | .107 | .121 | -.742 |
| 240 | -.251 | .061 | -.068 | -.504 | 298 | -.359 | .099 | .001 | -.729 |
| 241 | -.293 | .047 | -.170 | -.427 | 299 | -.681 | .137 | -.126 | -1.195 |
| 242 | -.288 | .071 | -.087 | -.569 | 300 | -.689 | .151 | -.257 | -1.231 |
| 243 | -.037 | .083 | .364 | -.330 | 301 | -.319 | .104 | .047 | -.754 |
| 244 | -.300 | .090 | -.019 | -.765 | 302 | -.318 | .108 | .038 | -.927 |
| 245 | -.207 | .068 | -.016 | -.530 | 303 | -.283 | .105 | .035 | -.758 |
| 246 | -.242 | .106 | .031 | -.854 | 304 | -.279 | .083 | -.041 | -.726 |
| 247 | -.283 | .141 | .018 | -.905 | 305 | -.130 | .050 | .092 | -.381 |
| 248 | -.247 | .123 | .066 | -1.046 | 306 | -.163 | .060 | .032 | -.527 |
| 249 | -.244 | .099 | .048 | -.672 | 307 | -.159 | .063 | .080 | -.441 |
| 250 | -.259 | .096 | -.006 | -.740 | 308 | -.177 | .057 | .060 | -.381 |
| 251 | -.201 | .060 | -.023 | -.473 | 309 | -.374 | .122 | .001 | -.793 |
| 252 | -.219 | .084 | -.004 | -.740 | 310 | -.213 | .071 | .065 | -.608 |
| 253 | -.253 | .126 | .040 | -1.011 | 311 | .053 | .049 | .207 | -.188 |
| 254 | -.247 | .111 | .082 | -1.161 | 312 | .028 | .191 | .461 | -.828 |
| 255 | -.219 | .086 | .091 | -.911 | 313 | -.242 | .085 | .024 | -.588 |
| 256 | -.228 | .081 | .026 | -.593 | 314 | -.209 | .051 | -.030 | -.444 |
| 257 | -.228 | .055 | -.057 | -.447 | 315 | -.205 | .060 | .009 | -.434 |
| 258 | -.229 | .052 | -.061 | -.472 | 316 | -.306 | .041 | -.201 | -.441 |
| 259 | -.230 | .040 | -.117 | -.374 | 317 | -.301 | .102 | .108 | -.784 |
| 260 | -.242 | .065 | -.037 | -.546 | 318 | -.254 | .082 | -.047 | -.625 |
| 261 | -.216 | .070 | -.029 | -.526 | 319 | -.237 | .073 | -.036 | -.631 |
| 262 | -.237 | .060 | -.015 | -.578 | 320 | -.151 | .056 | -.010 | -.451 |
| 263 | -.230 | .086 | .022 | -.561 | 321 | -.172 | .059 | -.019 | -.507 |
| 264 | -.231 | .095 | .055 | -.754 | 322 | -.232 | .182 | .493 | -.890 |
| 265 | -.268 | .095 | .022 | -.816 | 323 | -.300 | .146 | .500 | -.811 |
| 266 | -.342 | .098 | -.035 | -.789 | 324 | -.268 | .070 | -.062 | -.581 |
| 267 | -.433 | .114 | -.102 | -.984 | 325 | -.238 | .057 | -.062 | -.482 |
| 268 | -.483 | .129 | -.171 | -1.041 | 326 | -.385 | .068 | -.161 | -.688 |
| 269 | -.225 | .092 | .040 | -.847 | 327 | -.157 | .033 | -.057 | -.301 |
| 270 | -.235 | .106 | .083 | -.970 | 328 | -.192 | .074 | .108 | -.445 |
| 271 | -.241 | .099 | .057 | -.768 | 329 | -.233 | .057 | -.045 | -.464 |
| 272 | -.291 | .098 | .055 | -.797 | 330 | -.215 | .049 | -.067 | -.384 |
| 273 | -.229 | .086 | .073 | -.710 | 331 | -.257 | .060 | -.035 | -.553 |
| 274 | -.500 | .122 | -.143 | -1.203 | 332 | -.228 | .052 | -.072 | -.421 |
| 275 | -.263 | .104 | .032 | -.682 | 333 | -.293 | .070 | -.093 | -.624 |
| 277 | -.287 | .112 | .050 | -.888 | 334 | -.232 | .048 | -.085 | -.416 |
| 278 | -.338 | .126 | .057 | -.920 | 335 | -.258 | .055 | -.096 | -.494 |
| 279 | -.428 | .150 | -.028 | -1.073 | 336 | -.219 | .045 | -.067 | -.388 |
| 280 | -.584 | .212 | -.080 | -1.370 | 337 | -.365 | .244 | .470 | -1.083 |
| 281 | -.430 | .082 | -.147 | -.755 | 338 | -.509 | .140 | .118 | -.926 |
| 282 | -.342 | .074 | -.079 | -.599 | 339 | -.210 | .050 | -.036 | -.444 |
| 283 | -.372 | .076 | -.102 | -.621 | 340 | -.234 | .095 | .030 | -.751 |
| 284 | -.442 | .102 | -.045 | -.840 | 341 | -.215 | .079 | .032 | -.558 |
| 285 | -.408 | .116 | -.079 | -.876 | 342 | -.229 | .065 | .022 | -.541 |

WIND ENGINEERING STUDY OF FLOOR HEADQUARTERS BUILDING
IRVINE, CALIFORNIA WIND DIRECTION=345

| PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT | PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT |
|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|
| 1 | -.471 | .134 | .048 | -.887 | 58 | .198 | .097 | .584 | -.327 |
| 2 | -.450 | .134 | .088 | -.897 | 59 | .046 | .163 | .671 | -.609 |
| 3 | -.409 | .135 | .051 | -.826 | 60 | .156 | .081 | .593 | -.249 |
| 4 | -.449 | .137 | .054 | -.852 | 61 | -.008 | .060 | .260 | -.188 |
| 5 | .151 | .141 | .681 | -.252 | 62 | -.182 | .078 | .020 | -.499 |
| 6 | .315 | .137 | .838 | -.078 | 63 | -.020 | .054 | .214 | -.230 |
| 7 | -.447 | .136 | .114 | -.929 | 64 | -.200 | .084 | 0.000 | -.506 |
| 8 | -.345 | .138 | .203 | -.881 | 65 | .142 | .070 | .411 | -.038 |
| 9 | .347 | .142 | .985 | -.043 | 66 | .076 | .063 | .336 | -.117 |
| 10 | .271 | .138 | .775 | -.107 | 67 | .163 | .068 | .447 | -.014 |
| 11 | .347 | .142 | .790 | .004 | 68 | .099 | .054 | .320 | -.054 |
| 12 | .350 | .142 | .852 | .019 | 69 | .122 | .124 | .556 | -.411 |
| 13 | .425 | .131 | .848 | .113 | 70 | .199 | .084 | .528 | -.059 |
| 14 | -.009 | .100 | .534 | -.289 | 71 | .106 | .127 | .448 | -.524 |
| 15 | .407 | .129 | .868 | .091 | 72 | -.001 | .162 | .579 | -.602 |
| 16 | .023 | .107 | .415 | -.320 | 73 | -.389 | .173 | -.093 | -1.207 |
| 17 | .411 | .131 | .867 | .122 | 74 | -.374 | .132 | -.076 | -.880 |
| 18 | .311 | .113 | .888 | .055 | 75 | -.380 | .121 | .037 | -1.161 |
| 19 | .357 | .131 | .872 | .004 | 76 | -.313 | .104 | .099 | -.895 |
| 20 | .303 | .133 | .842 | -.117 | 77 | -.250 | .090 | .073 | -.631 |
| 21 | .385 | .118 | .885 | .075 | 78 | -.229 | .087 | .061 | -.693 |
| 22 | .275 | .117 | .728 | -.051 | 79 | -.416 | .190 | -.108 | -1.234 |
| 23 | .376 | .117 | .854 | .110 | 80 | -.371 | .153 | -.064 | -1.028 |
| 24 | .405 | .122 | .917 | .129 | 81 | -.337 | .109 | -.012 | -.798 |
| 25 | .337 | .094 | .765 | .119 | 82 | -.290 | .102 | .054 | -.889 |
| 26 | .350 | .090 | .703 | .133 | 83 | -.220 | .086 | .082 | -.619 |
| 27 | -.061 | .094 | .343 | -.349 | 84 | -.209 | .090 | .073 | -.683 |
| 28 | .260 | .088 | .602 | .042 | 85 | -.320 | .138 | -.076 | -.880 |
| 29 | .047 | .071 | .318 | -.194 | 86 | -.337 | .143 | -.079 | -.949 |
| 30 | .272 | .089 | .593 | .058 | 87 | -.258 | .116 | .003 | -.832 |
| 31 | .330 | .095 | .647 | .055 | 88 | -.315 | .119 | .190 | -.829 |
| 32 | .238 | .104 | .654 | -.058 | 89 | -.254 | .101 | .221 | -.644 |
| 33 | .343 | .098 | .748 | .132 | 90 | -.041 | .071 | .179 | -.387 |
| 34 | .234 | .030 | .385 | .091 | 91 | -.295 | .129 | -.042 | -.862 |
| 35 | .347 | .104 | .780 | .137 | 92 | -.311 | .134 | -.046 | -.859 |
| 36 | .375 | .108 | .791 | .145 | 93 | -.320 | .136 | .164 | -1.127 |
| 37 | -.446 | .126 | .019 | -.820 | 94 | -.299 | .125 | .214 | -.841 |
| 38 | -.490 | .139 | -.034 | -.962 | 95 | -.266 | .110 | .136 | -.819 |
| 39 | -.469 | .114 | -.148 | -.889 | 96 | -.262 | .127 | .167 | -.965 |
| 40 | -.363 | .105 | -.043 | -.759 | 97 | -.296 | .108 | -.079 | -.801 |
| 41 | -.291 | .087 | 0.000 | -.874 | 98 | -.314 | .116 | -.084 | -.871 |
| 42 | -.346 | .104 | -.118 | -.786 | 99 | -.351 | .136 | .019 | -1.109 |
| 43 | .003 | .175 | .532 | -.631 | 100 | -.313 | .124 | .048 | -1.022 |
| 44 | .110 | .099 | .546 | -.257 | 101 | -.260 | .109 | .090 | -.731 |
| 45 | .067 | .087 | .429 | -.215 | 102 | -.249 | .122 | .142 | -.807 |
| 46 | .038 | .080 | .384 | -.212 | 103 | -.314 | .122 | -.036 | -.913 |
| 47 | -.019 | .071 | .287 | -.257 | 104 | -.323 | .123 | -.042 | -.925 |
| 48 | -.207 | .101 | .087 | -.799 | 105 | -.303 | .114 | .010 | -1.030 |
| 49 | .061 | .190 | .696 | -.578 | 106 | -.224 | .102 | .102 | -.856 |
| 50 | .202 | .101 | .613 | -.226 | 107 | -.210 | .099 | .102 | -.687 |
| 51 | .164 | .081 | .463 | -.013 | 108 | -.122 | .080 | .120 | -.528 |
| 52 | .106 | .076 | .365 | -.093 | 109 | -.222 | .095 | .079 | -.814 |
| 53 | -.094 | .068 | .253 | -.244 | 110 | -.206 | .091 | .096 | -.735 |
| 54 | -.195 | .041 | .058 | -.507 | 111 | -.216 | .100 | .054 | -.758 |
| 55 | .163 | .080 | .556 | -.068 | 112 | -.231 | .128 | .100 | -1.016 |
| 56 | .096 | .071 | .448 | -.120 | 113 | -.251 | .144 | .066 | -1.079 |
| 57 | .070 | .184 | .635 | -.687 | 114 | -.203 | .088 | .034 | -.650 |

WIND ENGINEERING STUDY OF FLUOR HEADQUARTERS BUILDING
IRVINE, CALIFORNIA WIND DIRECTION=345

| PRFSSURE TAP NUMRER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT | PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT |
|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|
| 115 | -.142 | .072 | .051 | -.541 | 172 | -.158 | .043 | -.040 | -.310 |
| 116 | -.183 | .070 | .075 | -.526 | 173 | -.156 | .043 | -.040 | -.307 |
| 117 | -.180 | .069 | .061 | -.511 | 174 | -.170 | .045 | -.044 | -.355 |
| 118 | -.196 | .089 | .058 | -.779 | 175 | -.169 | .049 | -.026 | -.459 |
| 119 | -.212 | .104 | .046 | -.825 | 176 | -.148 | .036 | -.026 | -.324 |
| 120 | -.200 | .089 | .019 | -.807 | 177 | -.138 | .036 | -.012 | -.268 |
| 121 | -.205 | .084 | .034 | -.601 | 178 | -.151 | .040 | -.028 | -.299 |
| 122 | -.179 | .071 | .114 | -.520 | 179 | -.149 | .041 | -.018 | -.323 |
| 123 | -.195 | .067 | .042 | -.510 | 180 | -.147 | .043 | .004 | -.330 |
| 124 | -.199 | .063 | .007 | -.490 | 181 | -.184 | .051 | -.047 | -.396 |
| 125 | -.200 | .061 | 0.000 | -.448 | 182 | -.186 | .046 | -.063 | -.358 |
| 126 | -.168 | .070 | .013 | -.462 | 183 | -.200 | .055 | -.065 | -.491 |
| 127 | -.219 | .093 | .084 | -.623 | 184 | -.200 | .048 | -.075 | -.393 |
| 128 | -.194 | .067 | .024 | -.504 | 185 | -.181 | .055 | -.021 | -.556 |
| 129 | -.186 | .065 | .021 | -.457 | 186 | -.199 | .048 | -.075 | -.405 |
| 130 | -.190 | .061 | -.024 | -.508 | 187 | -.120 | .059 | .141 | -.424 |
| 131 | -.203 | .061 | -.032 | -.543 | 188 | -.163 | .058 | .126 | -.487 |
| 132 | -.230 | .087 | -.047 | -.602 | 189 | -.179 | .046 | .021 | -.377 |
| 133 | -.216 | .091 | .070 | -.594 | 190 | -.189 | .047 | .001 | -.406 |
| 134 | -.194 | .077 | .051 | -.519 | 191 | -.193 | .052 | -.015 | -.418 |
| 135 | -.193 | .069 | .015 | -.536 | 192 | -.205 | .058 | .001 | -.461 |
| 136 | -.195 | .061 | -.022 | -.494 | 193 | -.183 | .046 | -.032 | -.364 |
| 137 | -.186 | .058 | -.038 | -.439 | 194 | -.197 | .049 | -.044 | -.381 |
| 138 | -.216 | .084 | -.054 | -.607 | 195 | -.207 | .057 | -.032 | -.471 |
| 139 | -.186 | .074 | .034 | -.672 | 196 | -.217 | .061 | -.038 | -.506 |
| 140 | -.179 | .066 | .062 | -.560 | 197 | -.182 | .050 | -.034 | -.408 |
| 141 | -.169 | .060 | .015 | -.418 | 198 | -.212 | .058 | -.063 | -.455 |
| 142 | -.178 | .058 | -.016 | -.411 | 199 | -.204 | .051 | -.051 | -.440 |
| 143 | -.183 | .056 | -.031 | -.428 | 200 | -.221 | .056 | -.057 | -.436 |
| 144 | -.203 | .080 | .054 | -.635 | 201 | -.147 | .047 | .076 | -.304 |
| 145 | -.175 | .073 | .006 | -.678 | 202 | -.207 | .062 | -.041 | -.452 |
| 146 | -.174 | .068 | .013 | -.760 | 203 | -.198 | .055 | -.062 | -.499 |
| 147 | -.172 | .058 | -.004 | -.528 | 204 | -.193 | .048 | -.009 | -.376 |
| 148 | -.181 | .061 | -.012 | -.650 | 205 | -.205 | .061 | -.021 | -.533 |
| 149 | -.178 | .057 | -.037 | -.518 | 206 | -.207 | .071 | .031 | -.527 |
| 150 | -.191 | .066 | 0.000 | -.524 | 207 | -.248 | .086 | .057 | -.594 |
| 151 | -.187 | .068 | .003 | -.563 | 208 | -.330 | .135 | .061 | -1.064 |
| 152 | -.169 | .055 | -.015 | -.525 | 209 | -.221 | .054 | -.084 | -.440 |
| 153 | -.154 | .043 | -.044 | -.409 | 210 | -.242 | .077 | -.016 | -.561 |
| 154 | -.166 | .043 | -.060 | -.368 | 211 | -.282 | .094 | .068 | -.731 |
| 155 | -.171 | .048 | -.045 | -.421 | 212 | -.333 | .106 | .015 | -.805 |
| 156 | -.182 | .059 | -.029 | -.362 | 213 | -.223 | .052 | -.072 | -.433 |
| 157 | -.187 | .058 | -.035 | -.447 | 214 | -.238 | .064 | .016 | -.508 |
| 158 | -.169 | .045 | -.056 | -.383 | 215 | -.256 | .067 | -.061 | -.529 |
| 159 | -.160 | .039 | -.047 | -.340 | 216 | -.317 | .102 | -.075 | -1.009 |
| 160 | -.167 | .040 | -.059 | -.321 | 217 | -.195 | .054 | -.021 | -.403 |
| 161 | -.162 | .041 | -.059 | -.321 | 218 | -.201 | .058 | -.009 | -.415 |
| 162 | -.174 | .042 | -.059 | -.317 | 219 | -.217 | .059 | -.024 | -.452 |
| 163 | -.182 | .057 | -.006 | -.430 | 220 | -.225 | .059 | -.021 | -.460 |
| 164 | -.160 | .040 | -.038 | -.357 | 221 | -.295 | .105 | .043 | -.711 |
| 165 | -.148 | .039 | -.029 | -.354 | 222 | -.306 | .131 | .415 | -.861 |
| 166 | -.158 | .044 | -.056 | -.414 | 223 | -.303 | .095 | 0.000 | -.660 |
| 167 | -.173 | .045 | -.059 | -.348 | 224 | -.292 | .086 | -.033 | -.640 |
| 168 | -.188 | .049 | -.059 | -.380 | 225 | -.309 | .113 | .066 | -.830 |
| 169 | -.162 | .057 | -.016 | -.411 | 226 | -.331 | .113 | .084 | -.826 |
| 170 | -.146 | .041 | -.012 | -.310 | 227 | -.337 | .094 | .001 | -.690 |
| 171 | -.146 | .039 | -.035 | -.283 | 228 | -.346 | .093 | -.009 | -.683 |

WIND ENGINEERING STUDY OF FLUOR HEADQUARTERS BUILDING
IRVINE, CALIFORNIA

WIND DIRECTION=345

| PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT | PRESSURE TAP NUMBER | MEAN PRESSURE COEFFICIENT | RMS PRESSURE COEFFICIENT | MAXIMUM PRESSURE COEFFICIENT | MINIMUM PRESSURE COEFFICIENT |
|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|---------------------------|---------------------------------|--------------------------------|------------------------------------|------------------------------------|
| 229 | -.227 | .088 | .083 | -.551 | 286 | -.439 | .114 | .018 | -.821 |
| 230 | -.258 | .103 | .143 | -.672 | 287 | -.397 | .084 | -.159 | -.728 |
| 231 | -.327 | .093 | -.030 | -.675 | 288 | -.643 | .081 | .250 | -.312 |
| 232 | -.318 | .100 | 0.000 | -.754 | 289 | .026 | .087 | .375 | -.201 |
| 233 | -.202 | .062 | -.015 | -.434 | 290 | .031 | .095 | .393 | -.216 |
| 234 | -.214 | .063 | -.028 | -.454 | 291 | .035 | .099 | .371 | -.285 |
| 235 | -.174 | .095 | .148 | -.570 | 292 | -.165 | .198 | .369 | -.952 |
| 236 | .170 | .123 | .754 | -.304 | 293 | -.335 | .075 | -.012 | -.619 |
| 237 | -.289 | .084 | -.006 | -.563 | 294 | -.182 | .076 | .134 | -.425 |
| 238 | -.285 | .083 | -.021 | -.551 | 295 | -.111 | .080 | .181 | -.390 |
| 239 | -.339 | .089 | -.009 | -.671 | 296 | -.074 | .084 | .278 | -.388 |
| 240 | -.336 | .085 | -.024 | -.674 | 298 | -.254 | .155 | .415 | -.763 |
| 241 | -.382 | .098 | -.015 | -.767 | 299 | -.576 | .114 | -.235 | -.987 |
| 242 | -.403 | .110 | -.016 | -.860 | 300 | -.591 | .154 | -.025 | -1.199 |
| 243 | -.001 | .096 | .426 | -.434 | 301 | -.207 | .078 | .096 | -.527 |
| 244 | -.440 | .142 | -.058 | -1.126 | 302 | -.223 | .080 | .031 | -.553 |
| 245 | -.204 | .073 | -.003 | -.500 | 303 | -.177 | .075 | .090 | -.637 |
| 246 | -.234 | .105 | .054 | -.885 | 304 | -.240 | .084 | .007 | -.666 |
| 247 | -.225 | .082 | 0.000 | -.597 | 305 | -.107 | .055 | .066 | -.335 |
| 248 | -.218 | .081 | .031 | -.546 | 306 | -.125 | .042 | .012 | -.334 |
| 249 | -.252 | .098 | -.012 | -.865 | 307 | -.123 | .057 | .091 | -.365 |
| 250 | -.271 | .100 | -.059 | -.897 | 308 | -.196 | .068 | .041 | -.513 |
| 251 | -.175 | .058 | 0.000 | -.416 | 309 | -.414 | .138 | .068 | -.887 |
| 252 | -.187 | .074 | .019 | -.668 | 310 | -.286 | .102 | .059 | -.799 |
| 253 | -.210 | .078 | .012 | -.840 | 311 | .009 | .063 | .188 | -.343 |
| 254 | -.235 | .076 | -.004 | -.575 | 312 | .088 | .119 | .480 | -.523 |
| 255 | -.259 | .086 | -.037 | -.631 | 313 | -.189 | .080 | .003 | -.593 |
| 256 | -.269 | .106 | -.031 | -.815 | 314 | -.236 | .069 | .022 | -.587 |
| 257 | -.192 | .057 | -.051 | -.465 | 315 | -.233 | .070 | .035 | -.529 |
| 258 | -.199 | .058 | -.053 | -.463 | 316 | -.270 | .084 | .049 | -.683 |
| 259 | -.205 | .056 | -.075 | -.522 | 317 | -.238 | .071 | .026 | -.610 |
| 260 | -.236 | .070 | -.019 | -.594 | 318 | -.306 | .095 | -.064 | -.916 |
| 261 | -.244 | .072 | -.040 | -.600 | 319 | -.263 | .071 | -.046 | -.516 |
| 262 | -.268 | .089 | -.035 | -.647 | 320 | -.109 | .039 | .001 | -.295 |
| 263 | -.252 | .070 | -.066 | -.521 | 321 | -.130 | .044 | -.003 | -.334 |
| 264 | -.212 | .059 | -.050 | -.516 | 322 | .107 | .146 | .522 | -.577 |
| 265 | -.265 | .083 | -.065 | -.772 | 323 | -.012 | .161 | .522 | -.597 |
| 266 | -.341 | .109 | -.110 | -.868 | 324 | -.283 | .075 | -.054 | -.655 |
| 267 | -.504 | .108 | -.104 | -.940 | 325 | -.228 | .049 | -.064 | -.548 |
| 268 | -.674 | .133 | -.253 | -1.146 | 326 | -.372 | .061 | -.171 | -.575 |
| 269 | -.222 | .074 | -.053 | -.712 | 327 | -.153 | .028 | -.031 | -.287 |
| 270 | -.194 | .052 | -.032 | -.447 | 328 | -.240 | .083 | .091 | -.546 |
| 271 | -.203 | .047 | -.071 | -.374 | 329 | -.254 | .077 | -.034 | -.579 |
| 272 | -.269 | .063 | -.056 | -.503 | 330 | -.217 | .061 | -.054 | -.475 |
| 273 | -.271 | .089 | -.051 | -.632 | 331 | -.278 | .071 | -.074 | -.672 |
| 274 | -.650 | .133 | -.351 | -1.162 | 332 | -.256 | .066 | -.015 | -.525 |
| 276 | -.246 | .081 | .047 | -.987 | 333 | -.303 | .072 | -.051 | -.546 |
| 277 | -.275 | .081 | -.063 | -.716 | 334 | -.200 | .052 | -.009 | -.381 |
| 278 | -.367 | .108 | -.115 | -.912 | 335 | -.296 | .052 | -.132 | -.504 |
| 279 | -.504 | .134 | -.184 | -1.156 | 336 | -.245 | .044 | -.100 | -.394 |
| 280 | -.703 | .158 | -.303 | -1.516 | 337 | -.412 | .217 | .516 | -1.043 |
| 281 | -.492 | .084 | -.257 | -.821 | 338 | -.556 | .123 | -.080 | -.979 |
| 282 | -.271 | .079 | -.010 | -.596 | 339 | -.193 | .065 | .007 | -.511 |
| 283 | -.246 | .086 | -.004 | -.668 | 340 | -.268 | .097 | .062 | -.739 |
| 284 | -.419 | .115 | -.046 | -.874 | 341 | -.266 | .096 | .077 | -.758 |
| 285 | -.410 | .119 | -.006 | -.828 | 342 | -.312 | .102 | .030 | -.829 |

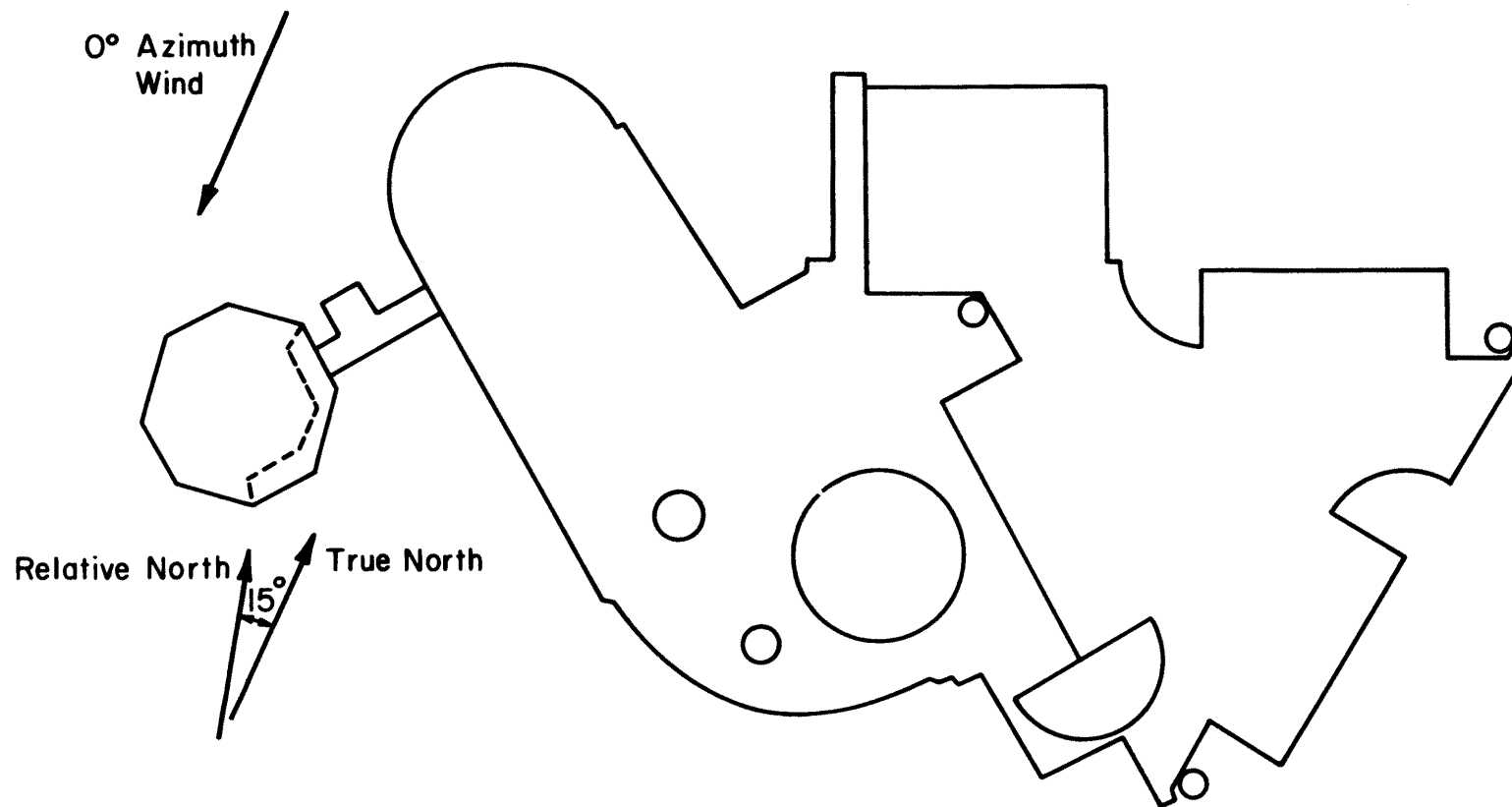


Figure 1. Fluor Headquarters Complex

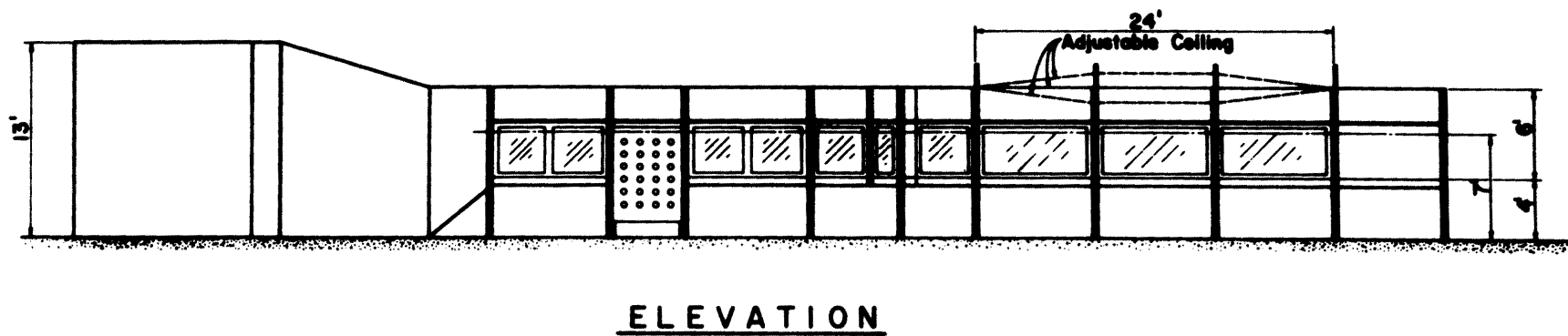
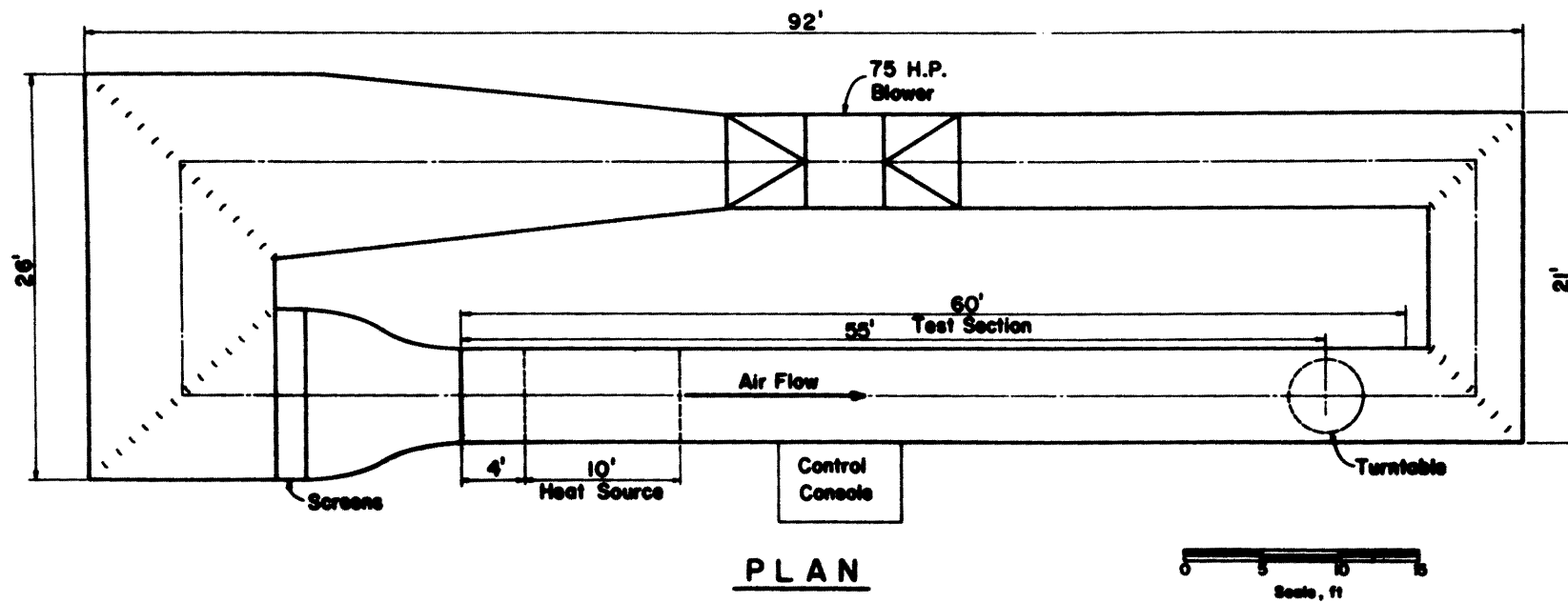
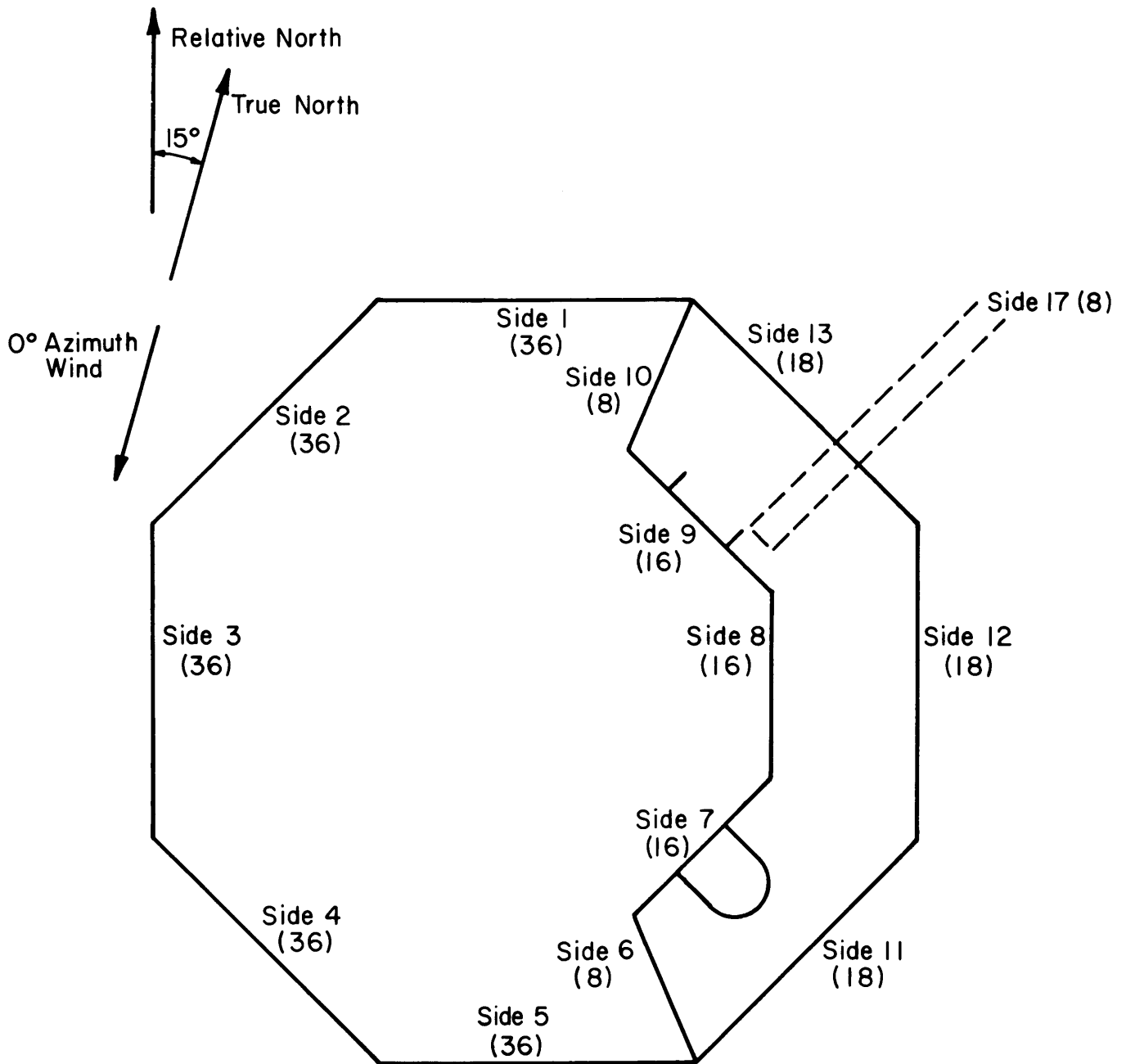


Figure 2. Industrial Aerodynamics Wind Tunnel.



Side Locations

Number of Taps per Side in Parentheses

Side 14 = Building Roof (11)

Side 15 = Penthouse Roof (3)

Side 16 = Penthouse Walls (16)

Side 17 = Skylight (8)

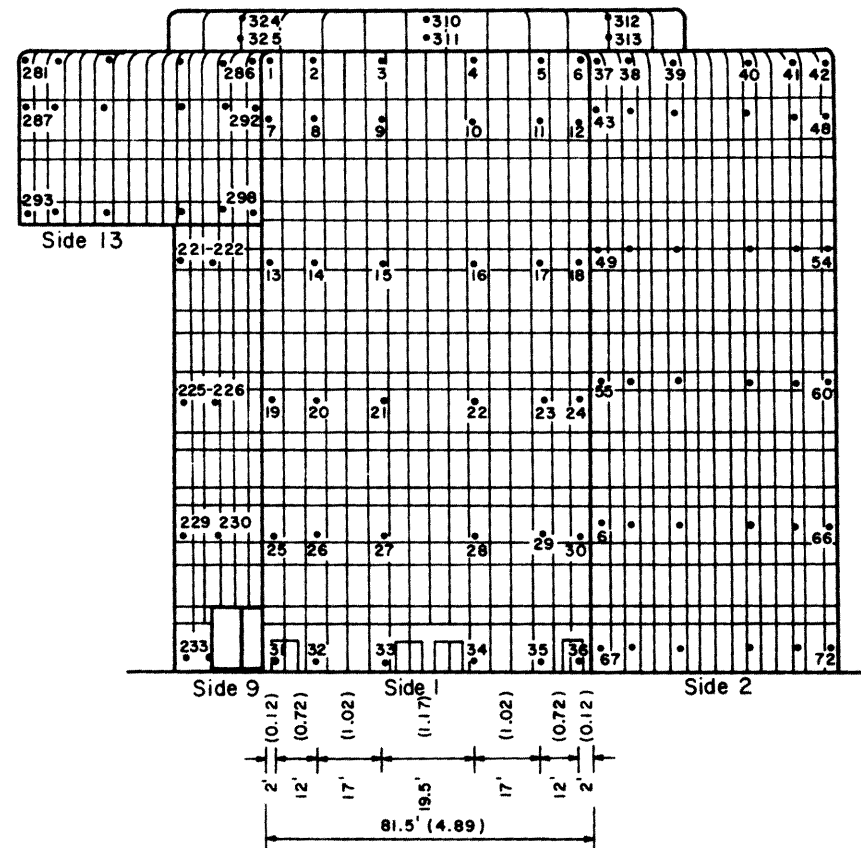
Side 18 = Overhang (6)

Total Number of Taps - 342

Number of Taps used Simultaneously - 341

Figure 3a. Pressure Tap Locations

NORTH ELEVATION

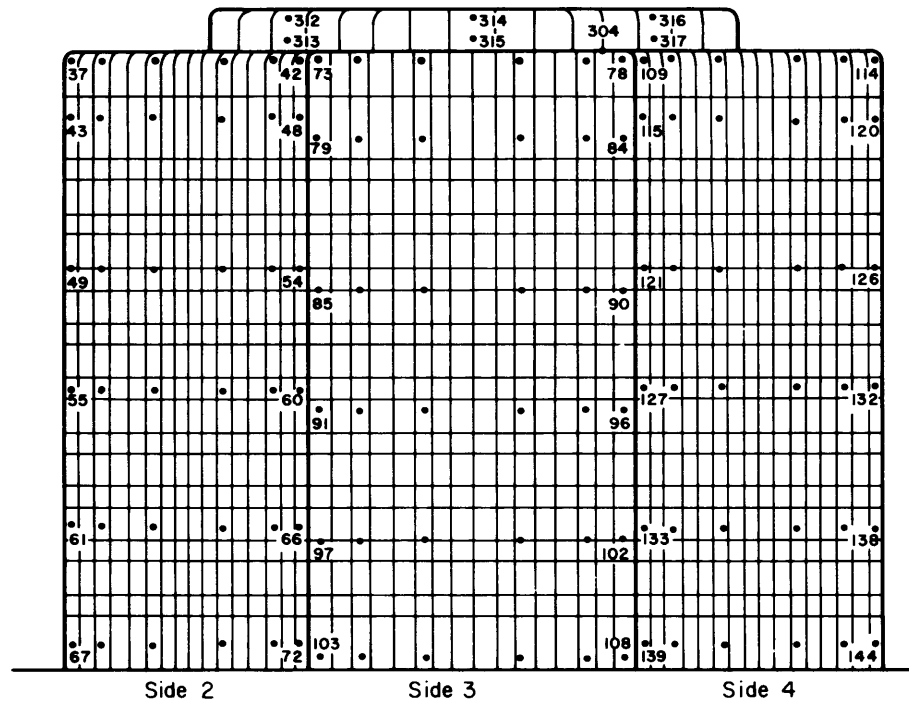


Note: 1. Horizontal Spacing is Similar on Sides 1-5. Vertical Spacing is Similar to that Shown on East Elevation.

2. Tap 234 is on Connecting Link Wall, 6' (0.36) from Plane of Side 9

Figure 3b. Pressure Tap Locations

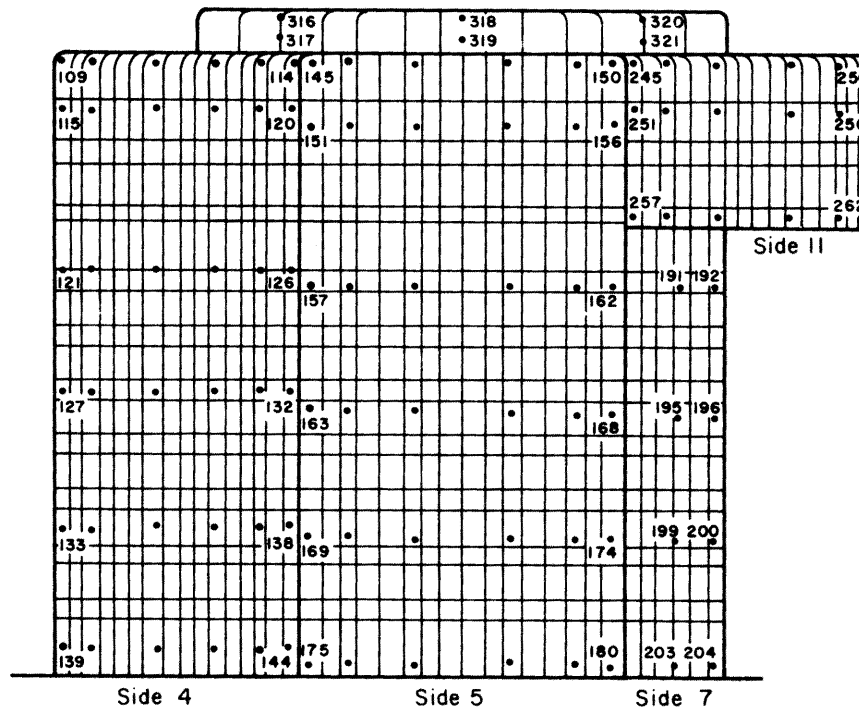
WEST ELEVATION



Note: Identical Horizontal and Vertical Spacing as North and East Elevations.

Figure 3c. Pressure Tap Locations

SOUTH ELEVATION



Note: Identical Horizontal and Vertical Spacing as North
And East Elevations

Figure 3d. Pressure Tap Locations

EAST ELEVATION

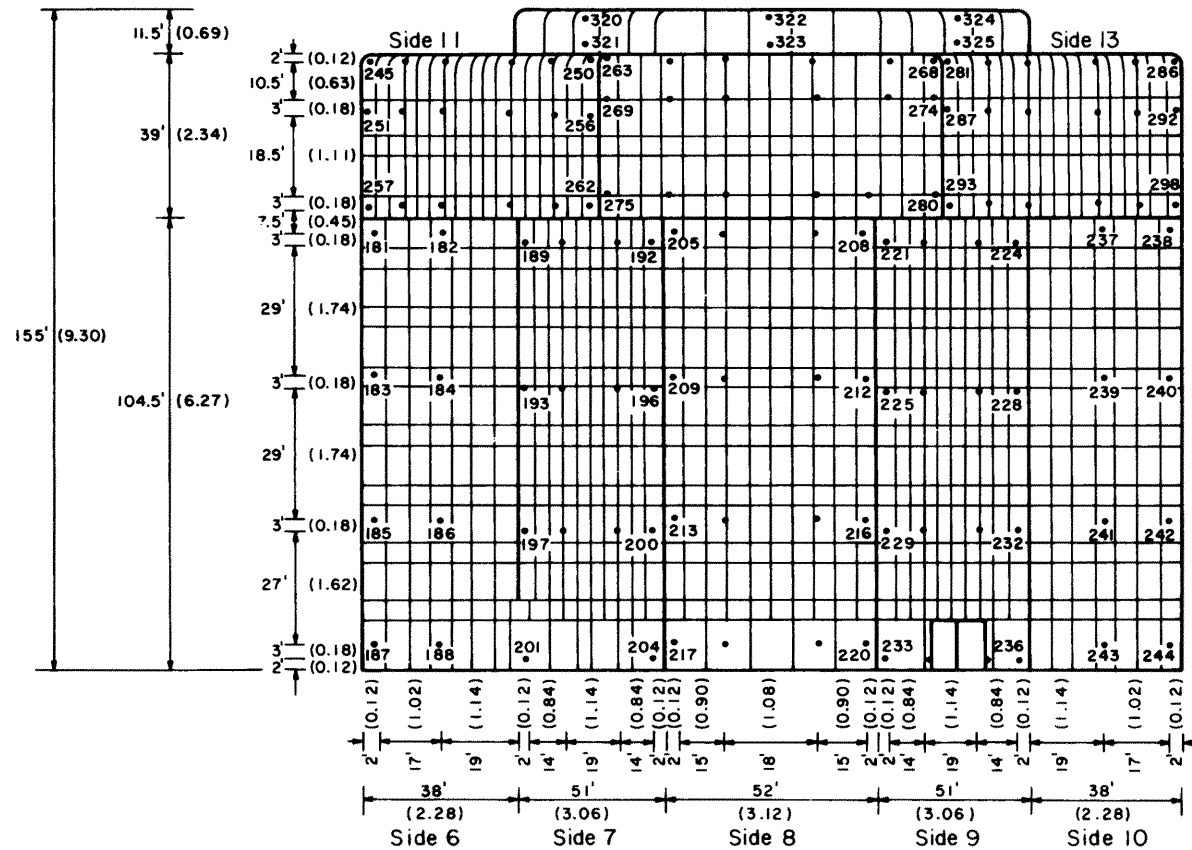


Figure 3e. Pressure Tap Locations

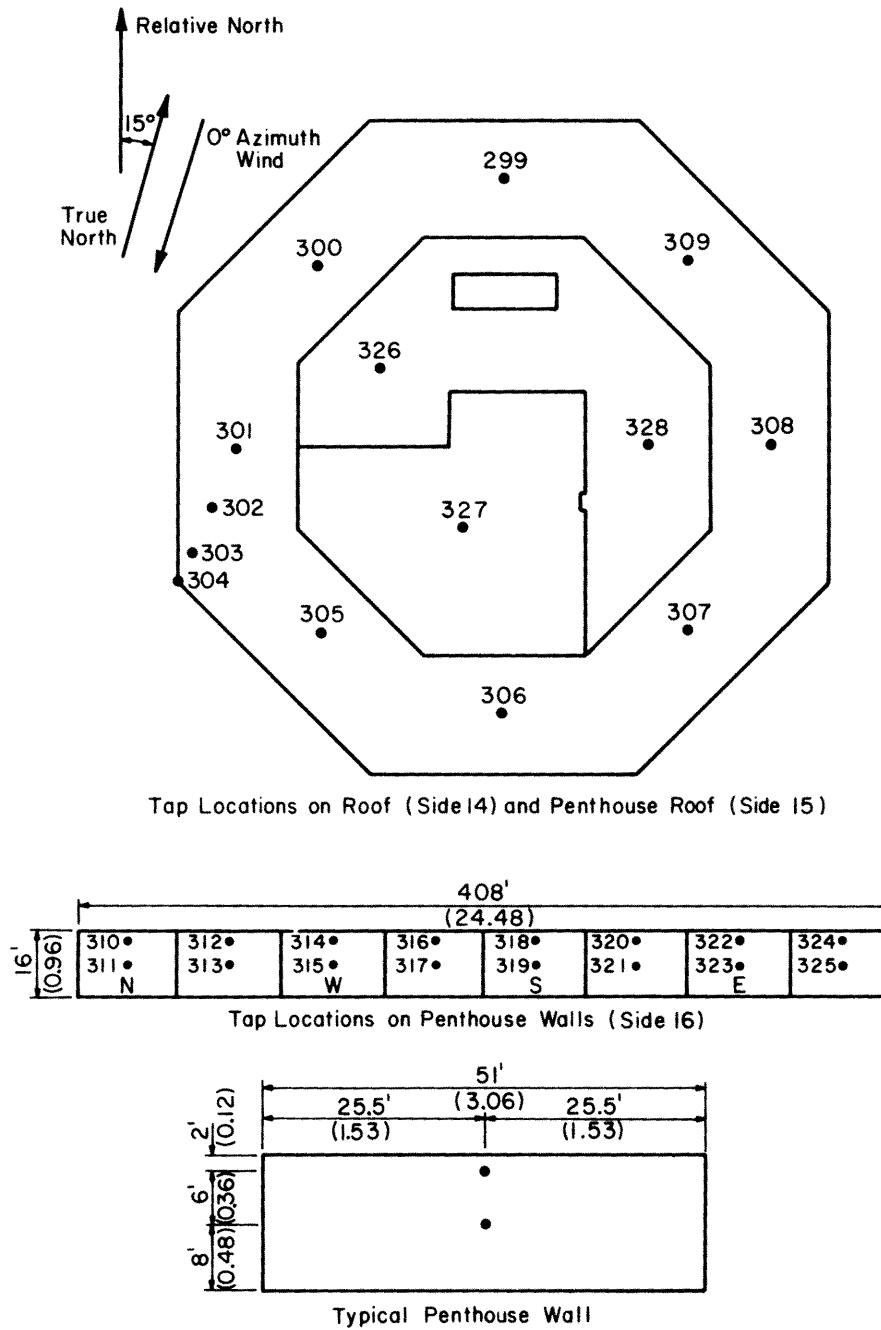
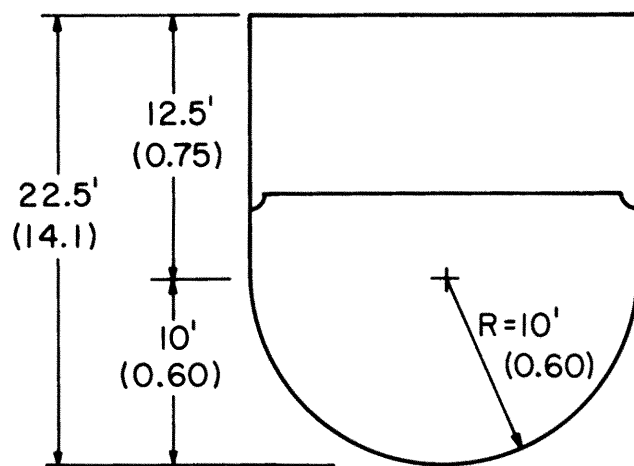
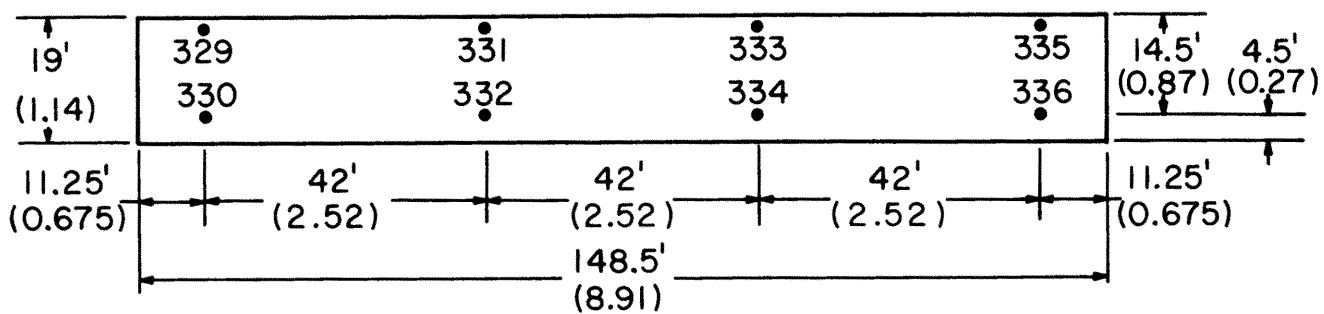


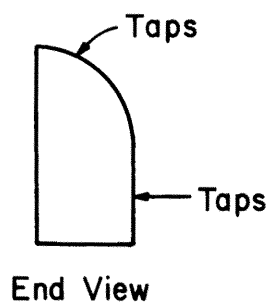
Figure 3f. Pressure Tap Locations



Main Entrance Top View with Roof



Skylight Side View



End View

Figure 3g. Pressure Tap Locations

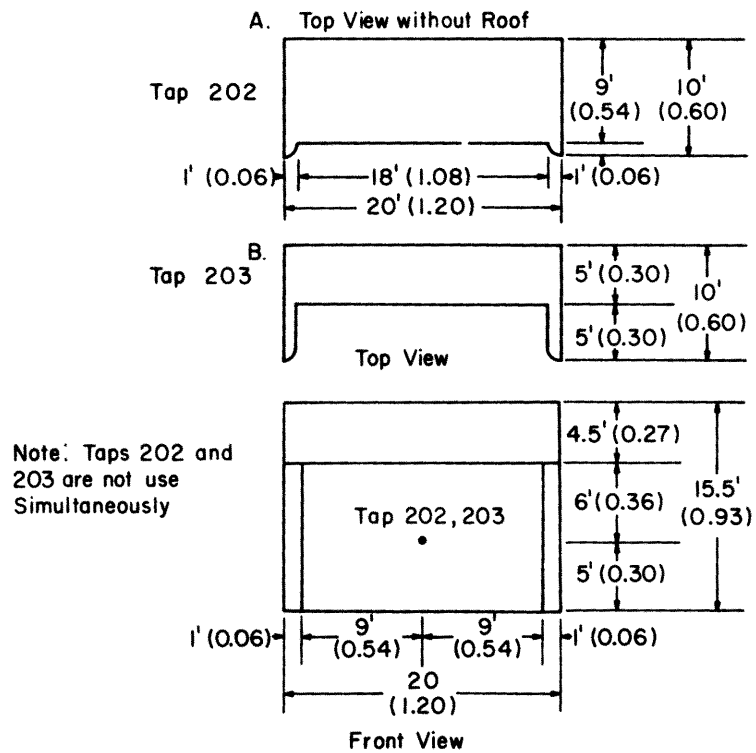
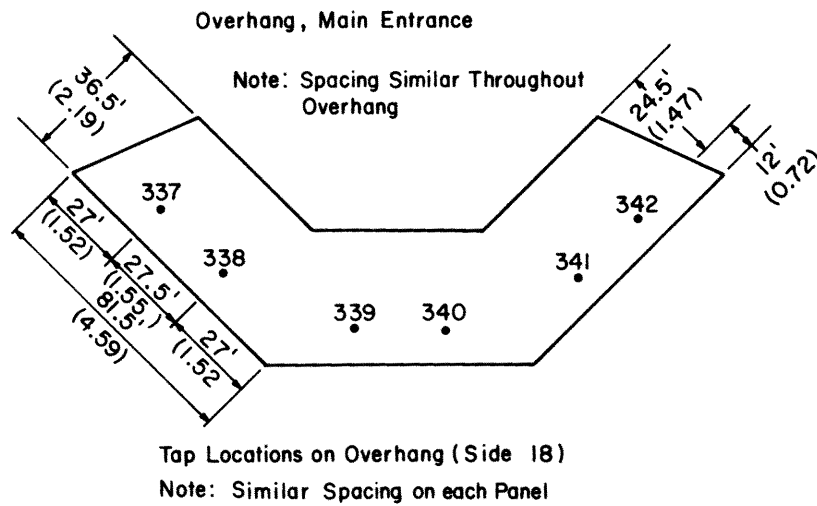


Figure 3h. Pressure Tap Locations

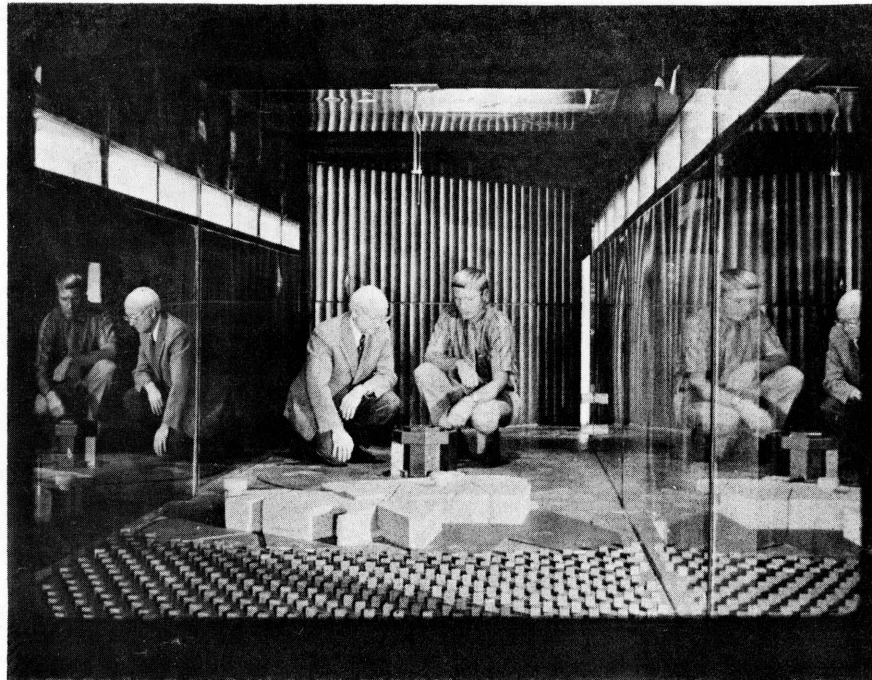


Figure 4. Completed Model

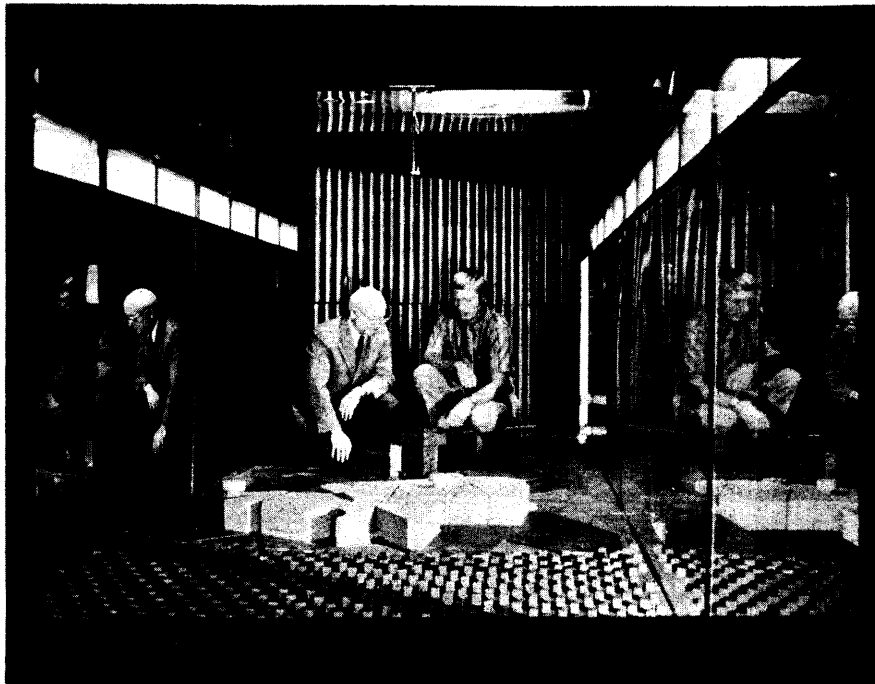


Figure 4. Completed Model

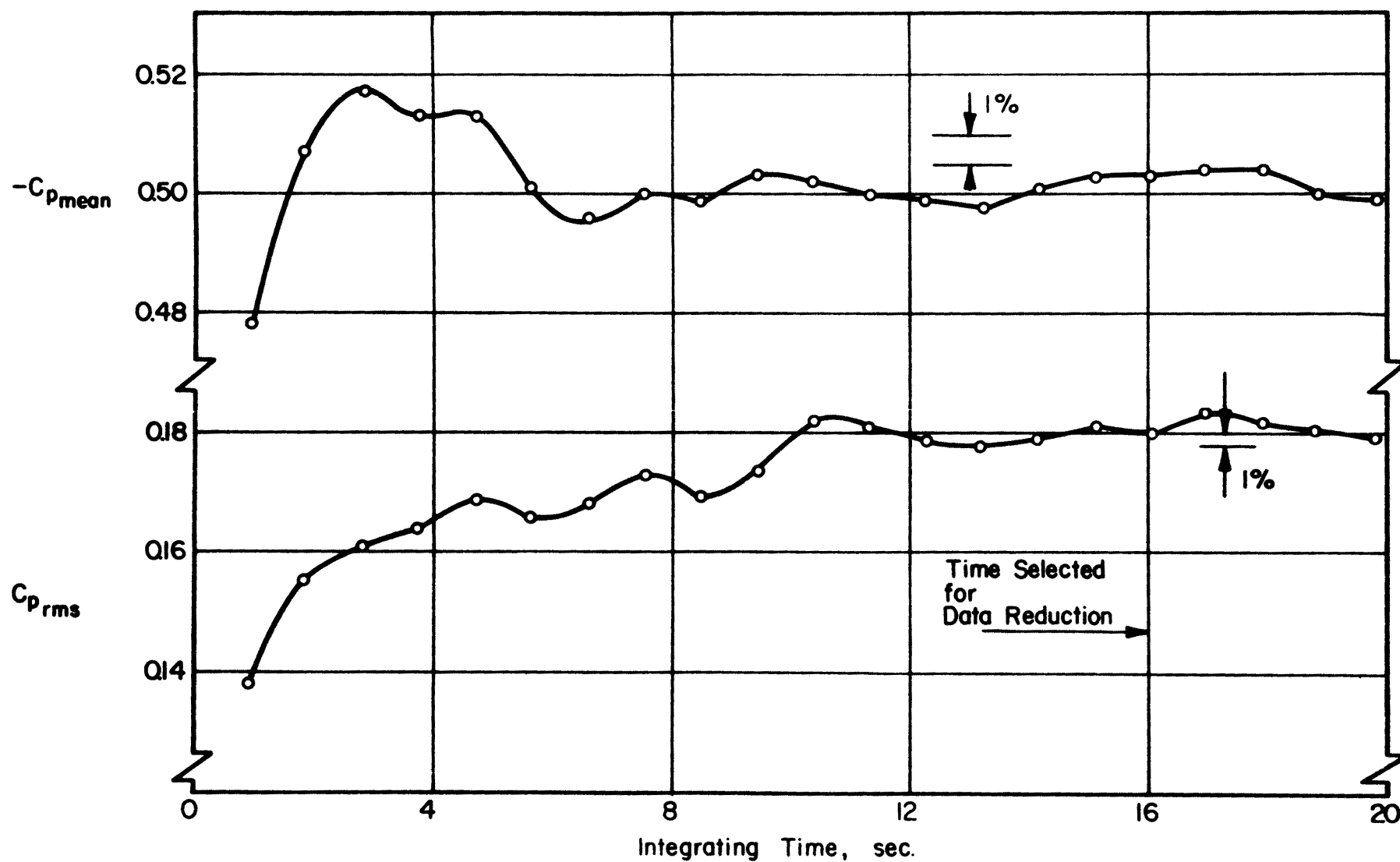


Figure 5. Data Sampling Time Verification.

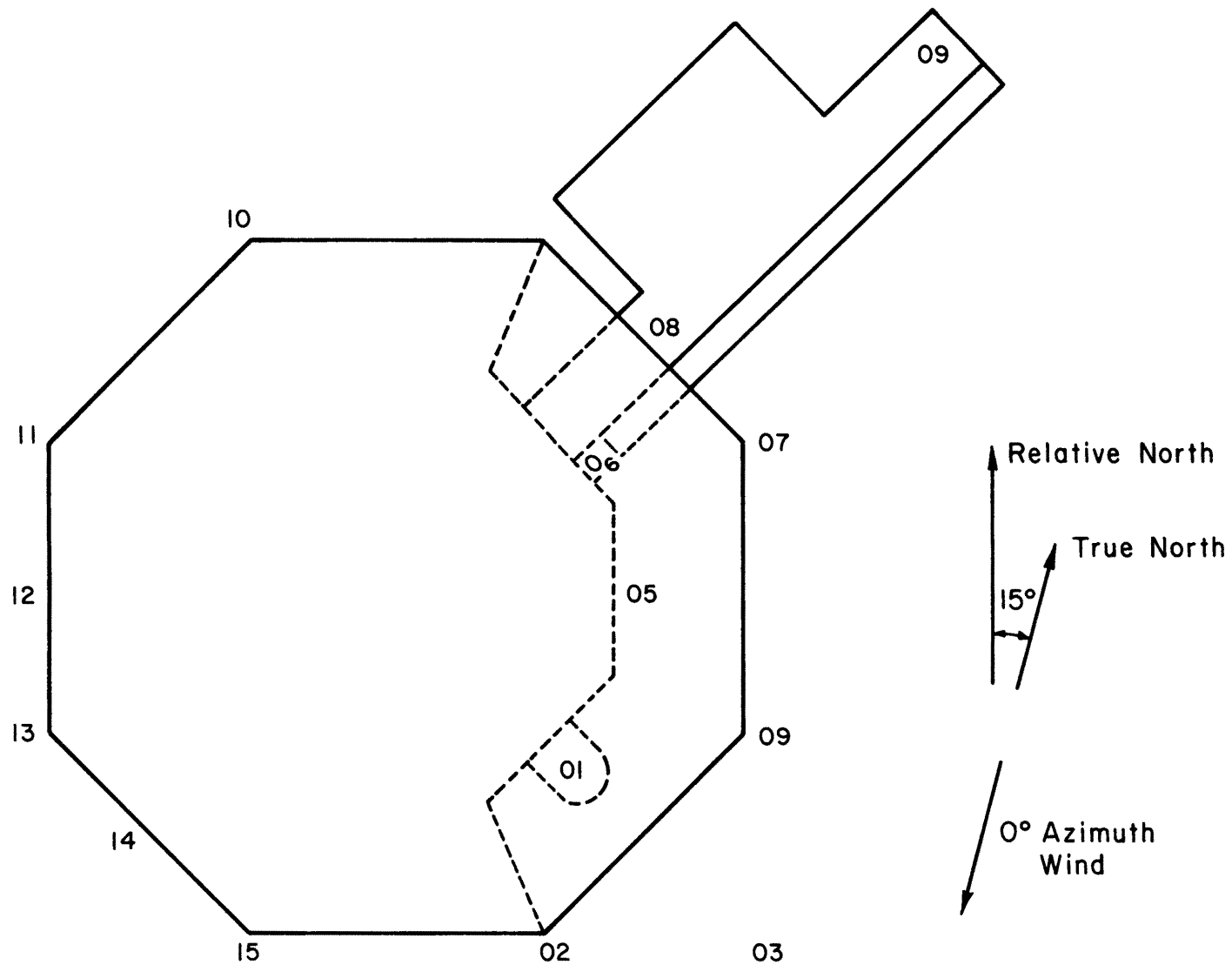


Figure 6. Measurement Locations for Pedestrian Winds

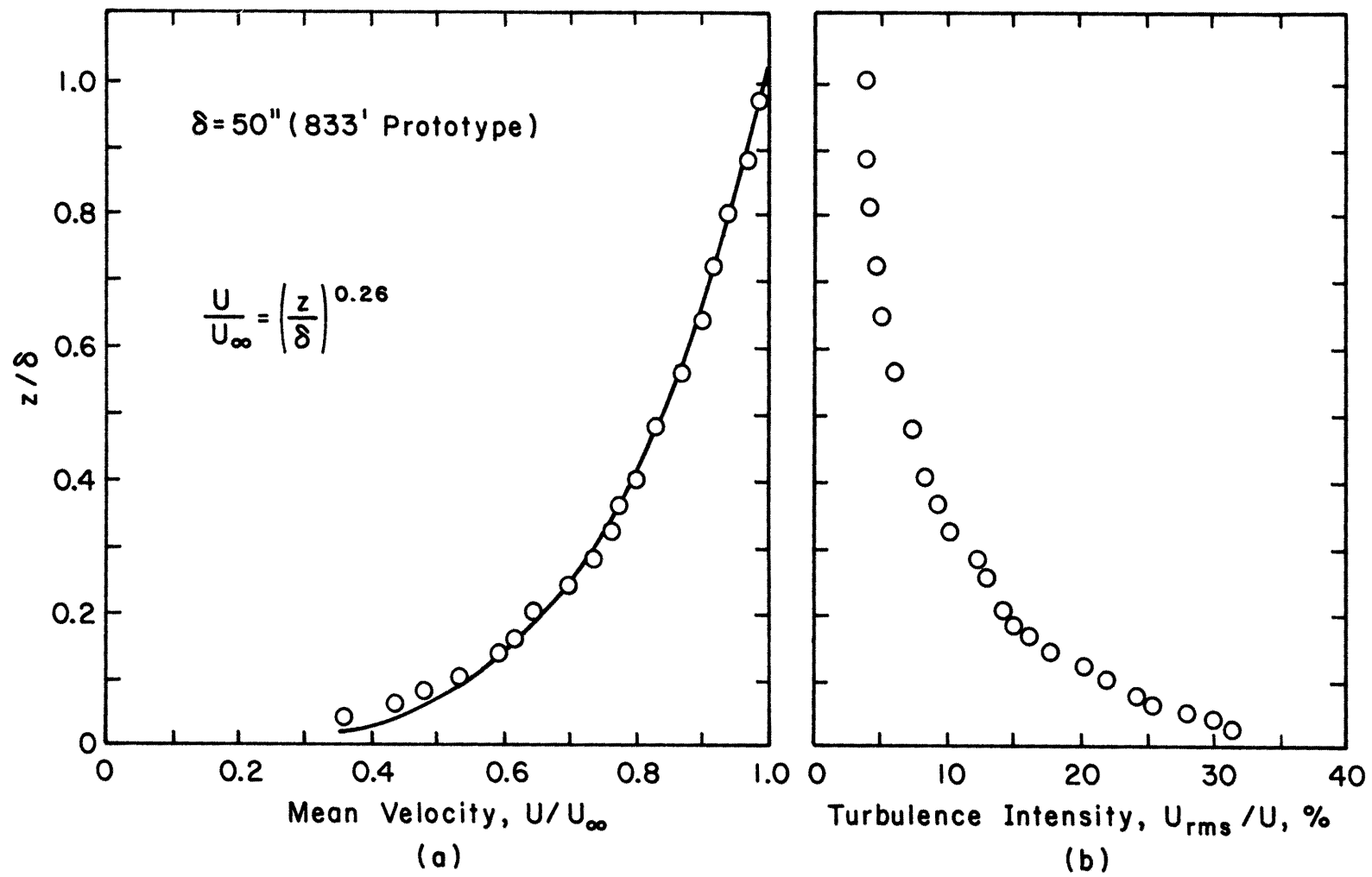


Figure 7. Velocity and Turbulence Profiles Approaching the Model

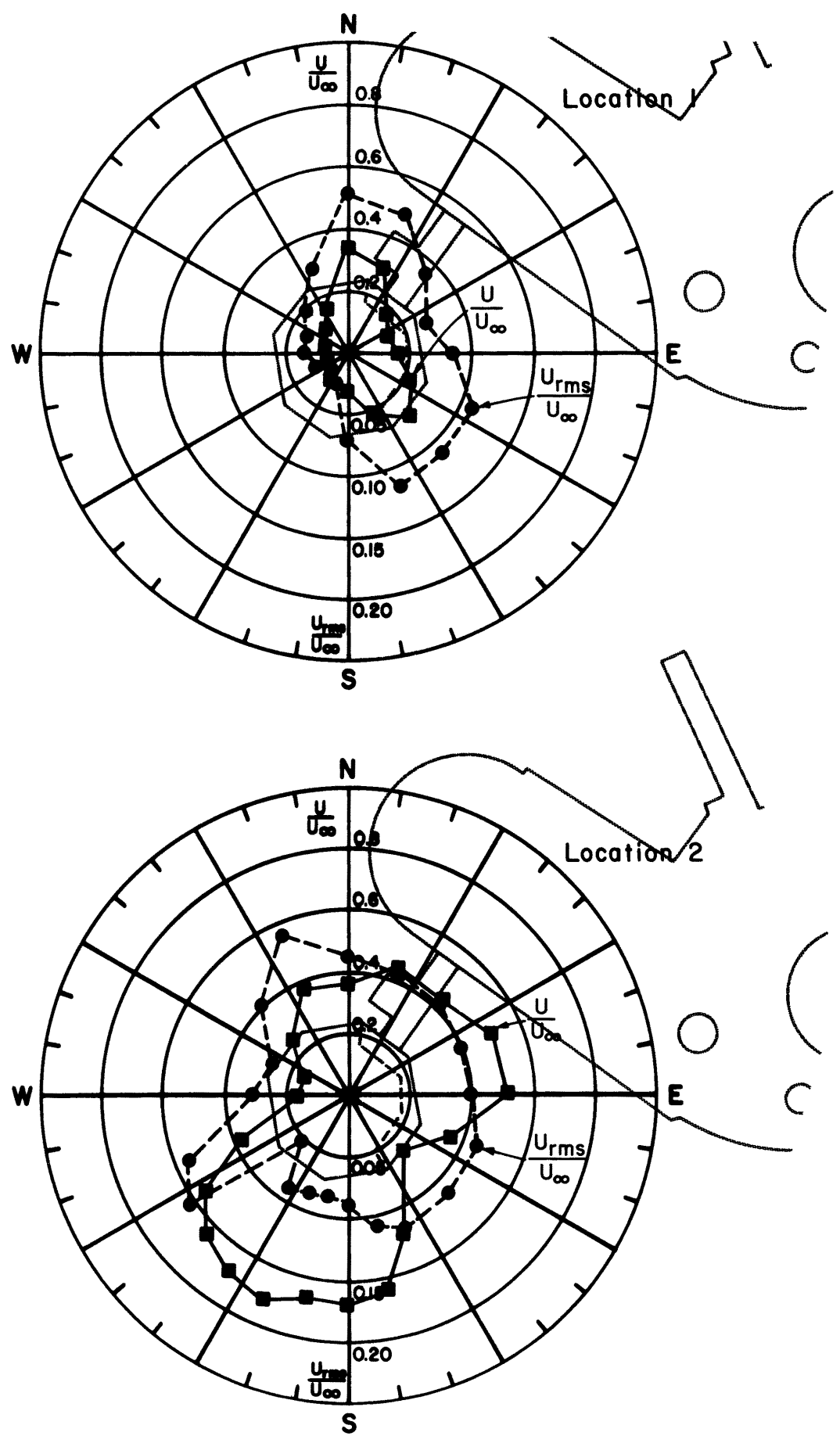


Figure 8. Mean Velocity and Turbulence Intensity at Sites 1 and 2

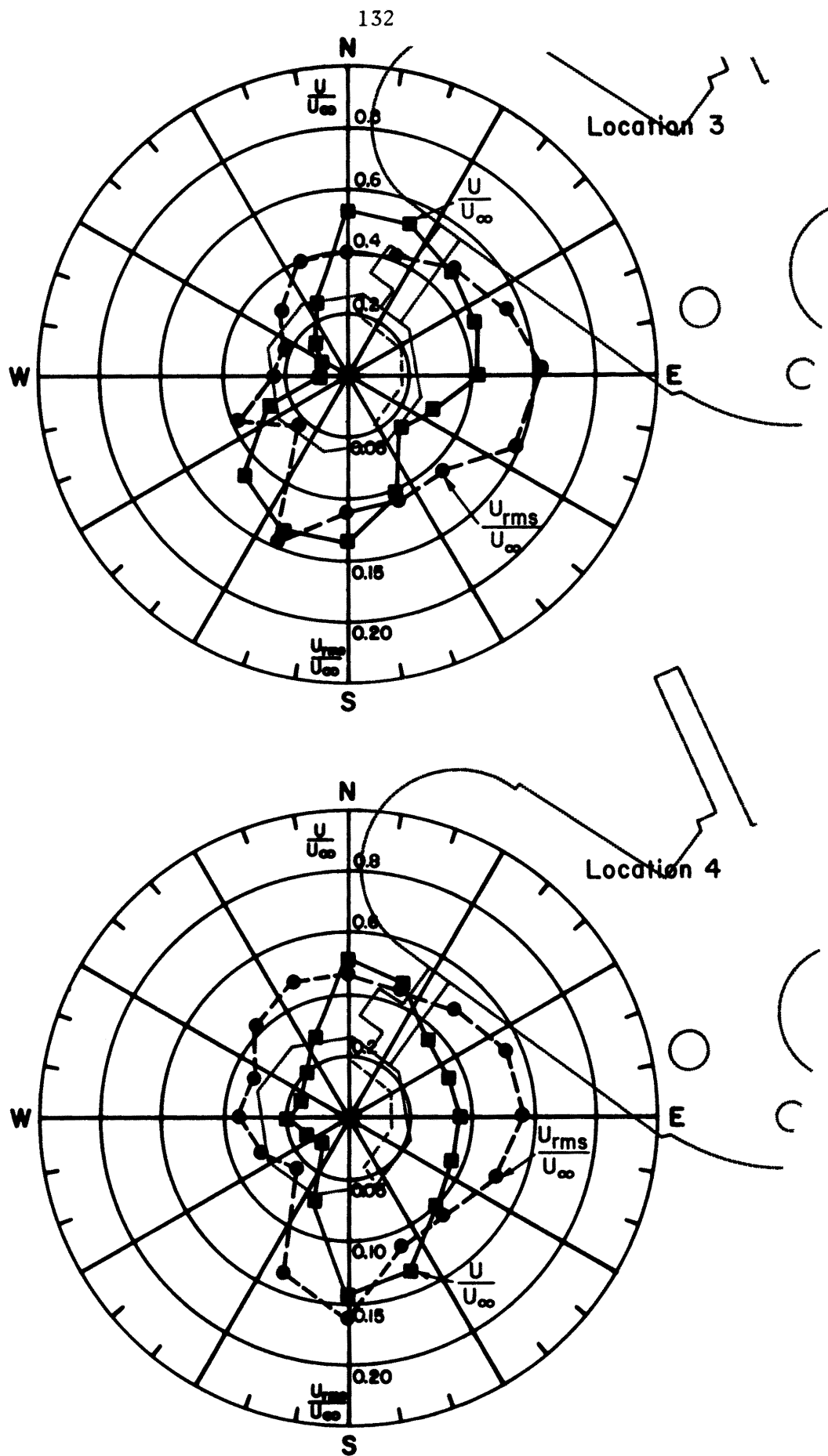


Figure 9. Mean Velocity and Turbulence Intensity at Sites 3 and 4

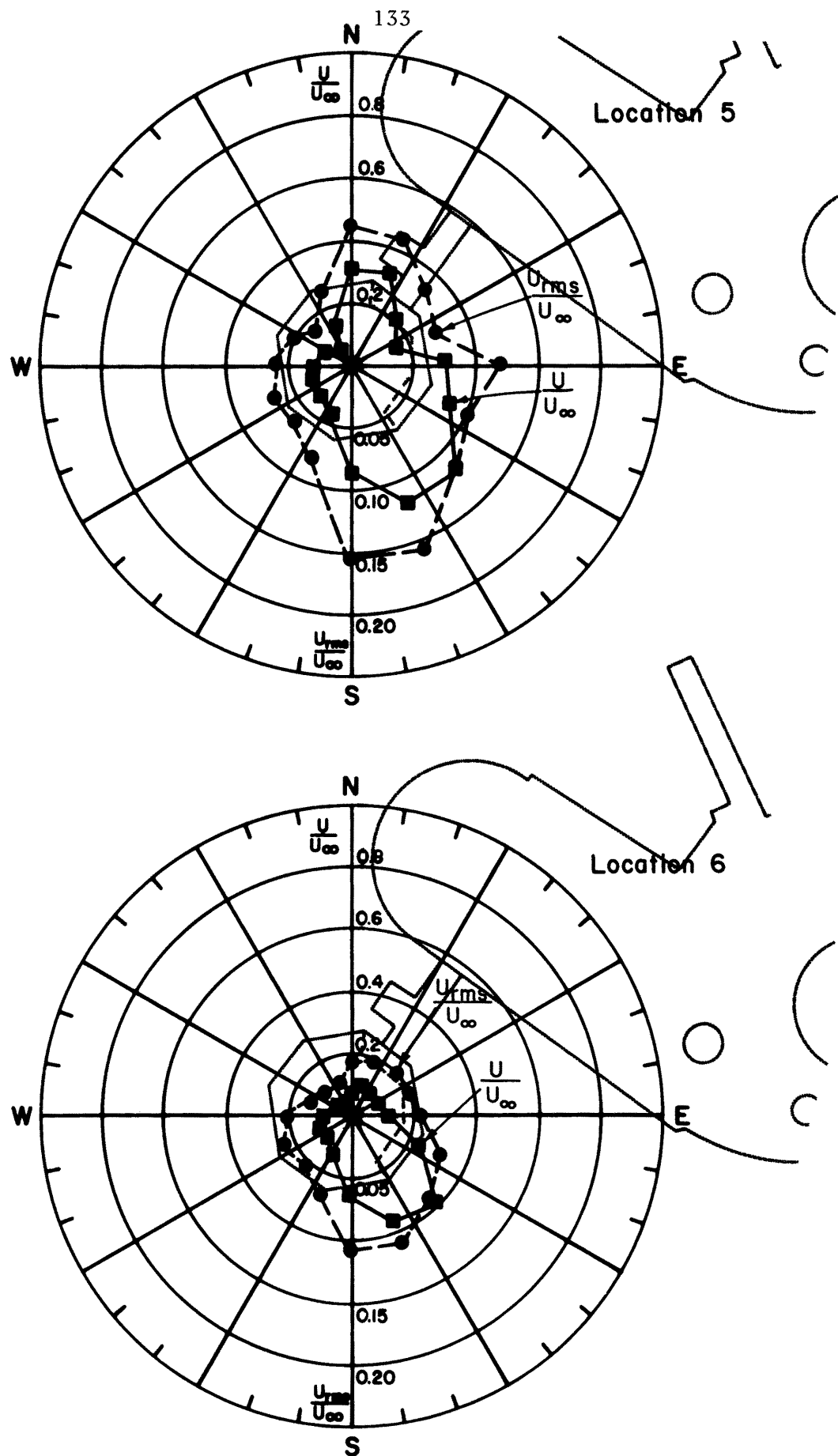


Figure 10. Mean Velocity and Turbulence Intensity at Sites 5 and 6

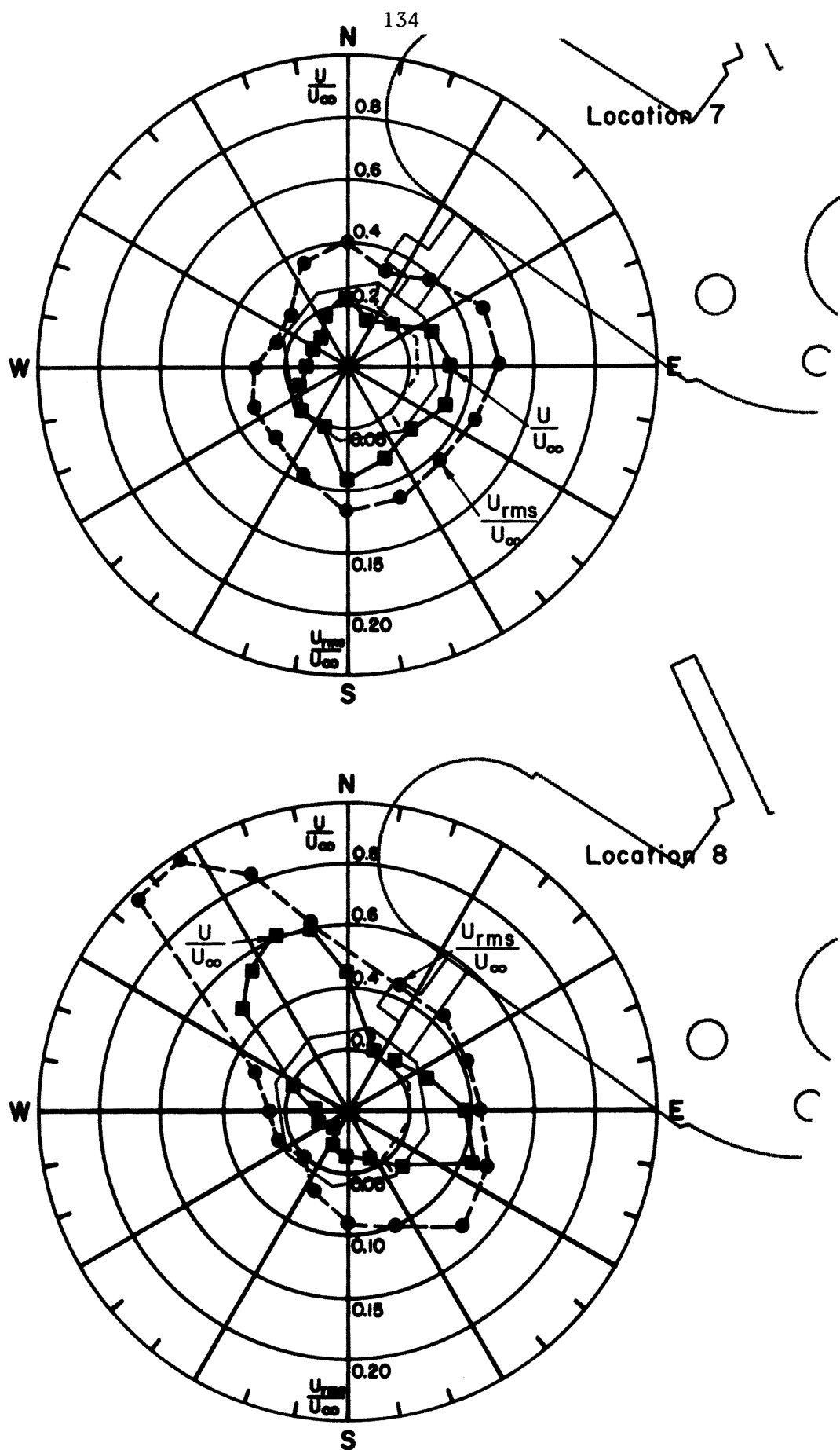


Figure 11. Mean Velocity and Turbulence Intensity at Sites 7 and 8

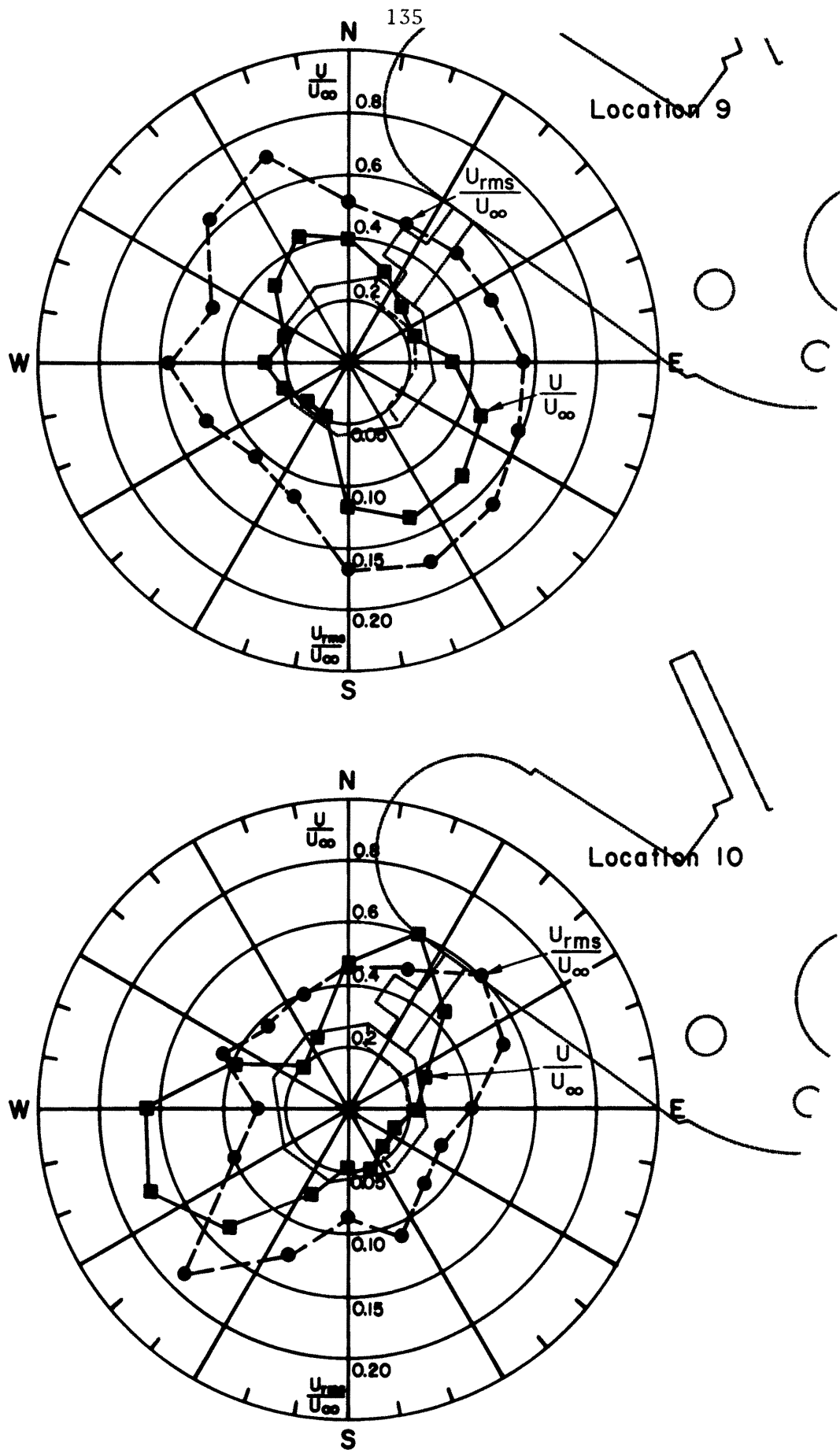


Figure 12. Mean Velocity and Turbulence Intensity at Sites 9 and 10

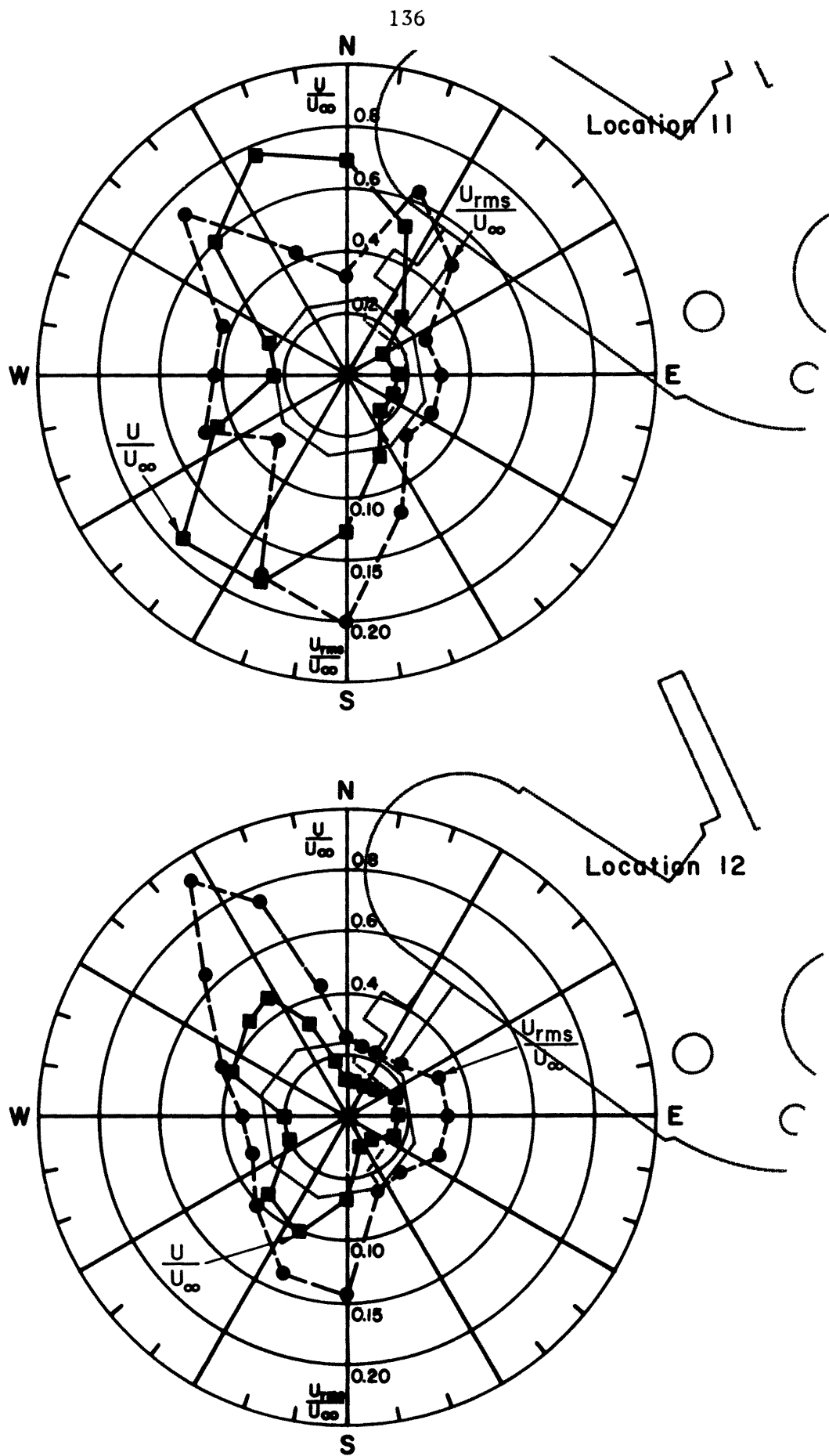


Figure 13. Mean Velocity and Turbulence Intensity at Sites 11 and 12

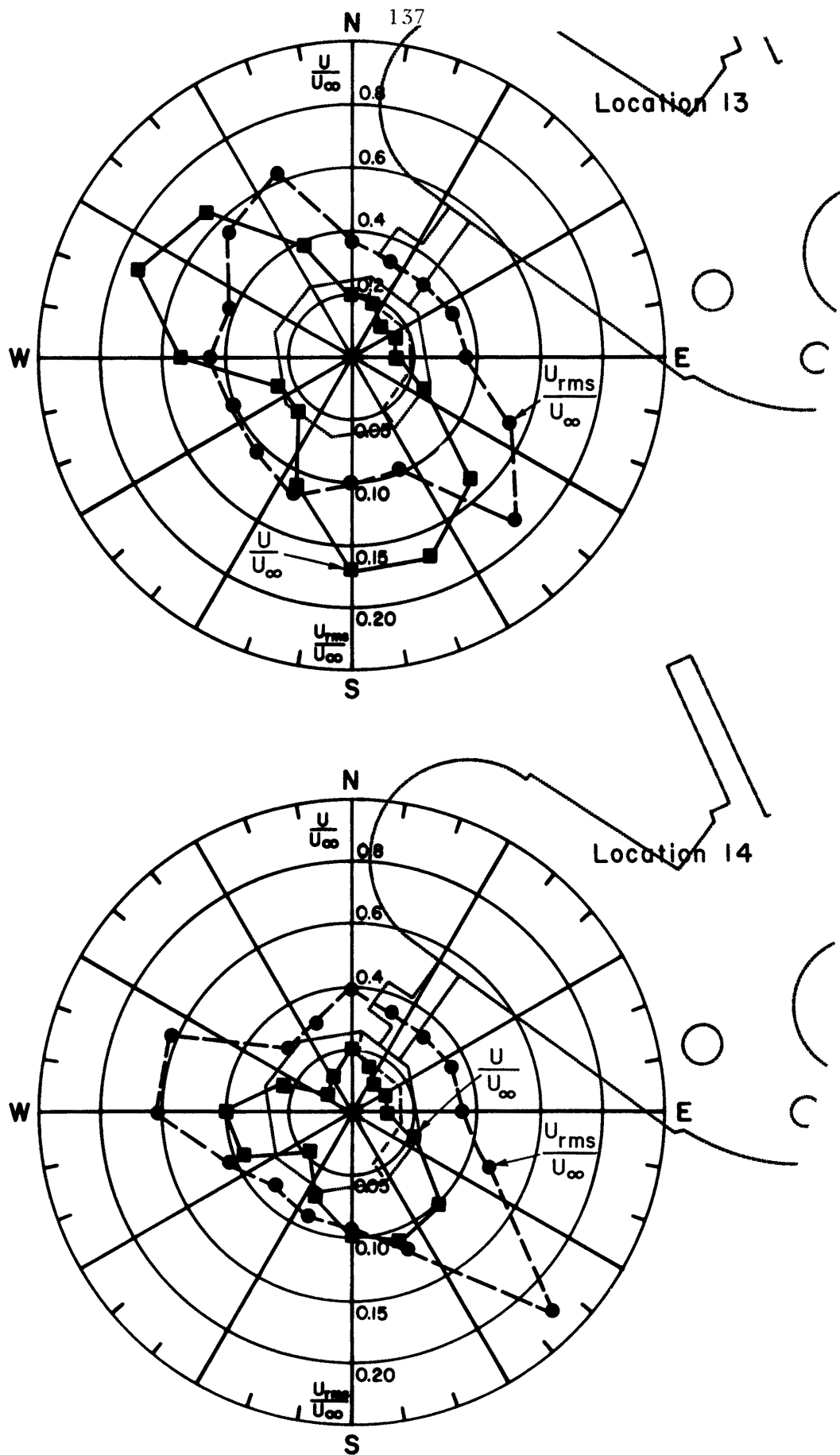


Figure 14. Mean Velocity and Turbulence Intensity at Sites 13 and 14

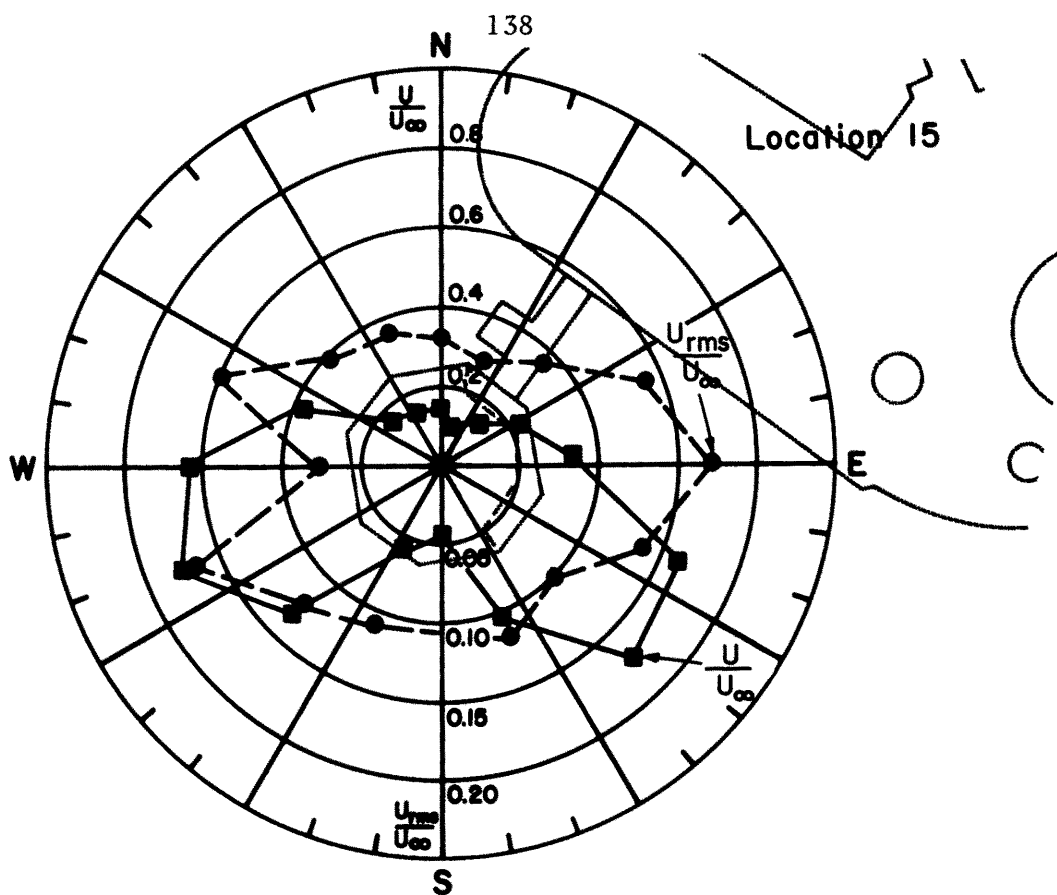


Figure 15. Mean Velocity and Turbulence Intensity at Site 15

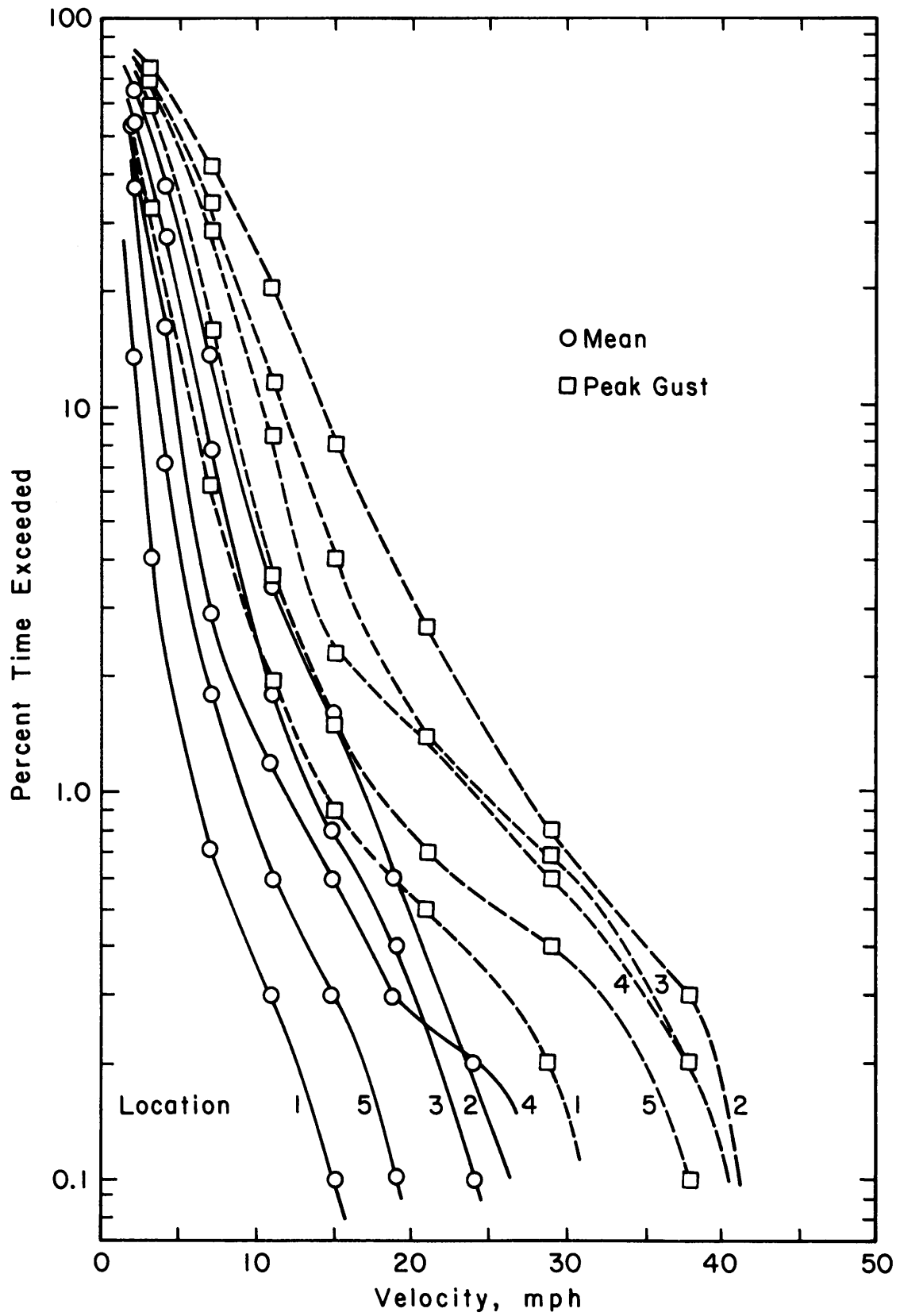


Figure 16. Wind Velocity Probabilities for Sites 1-5

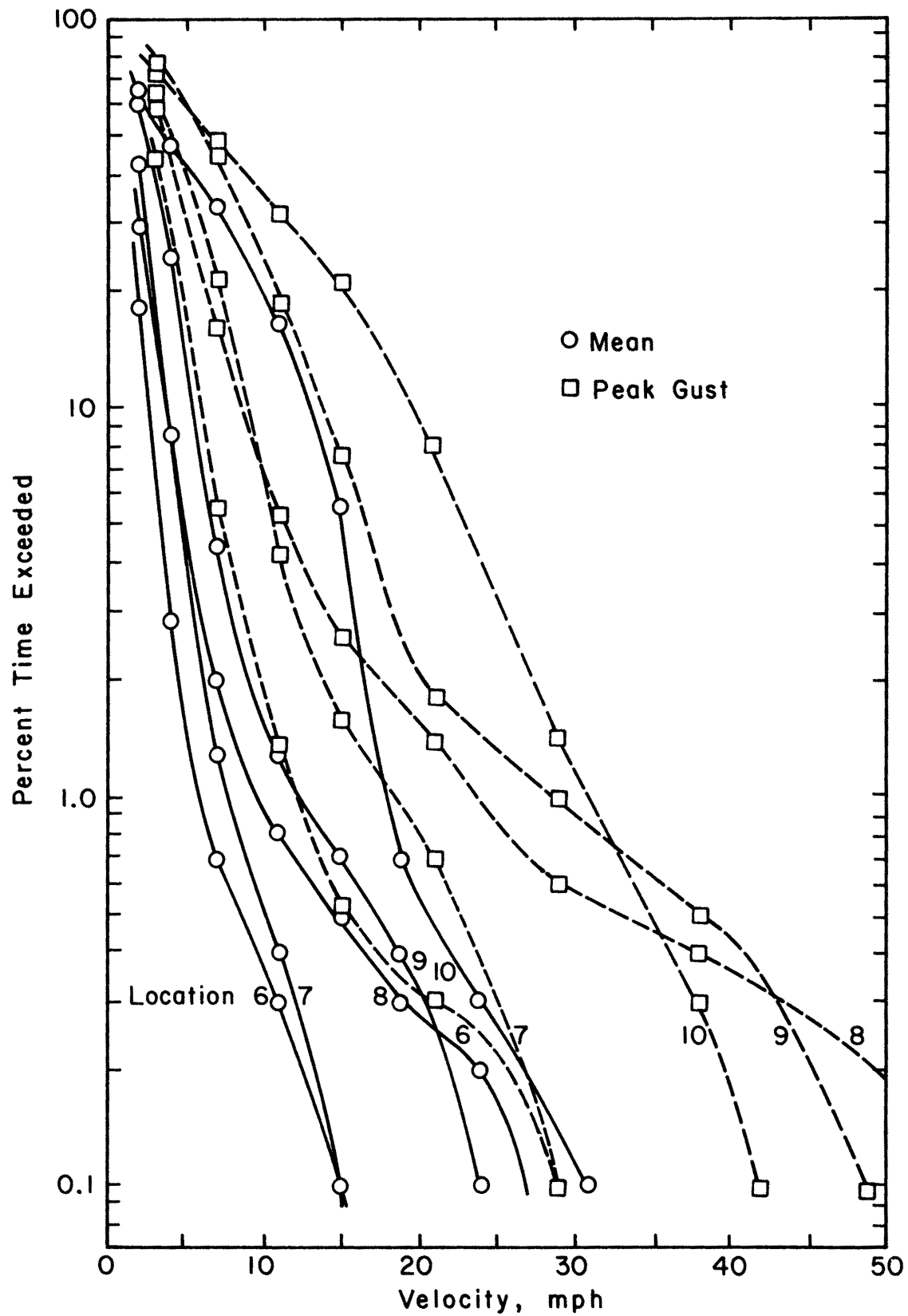


Figure 17. Wind Velocity Probabilities for Sites 6-10

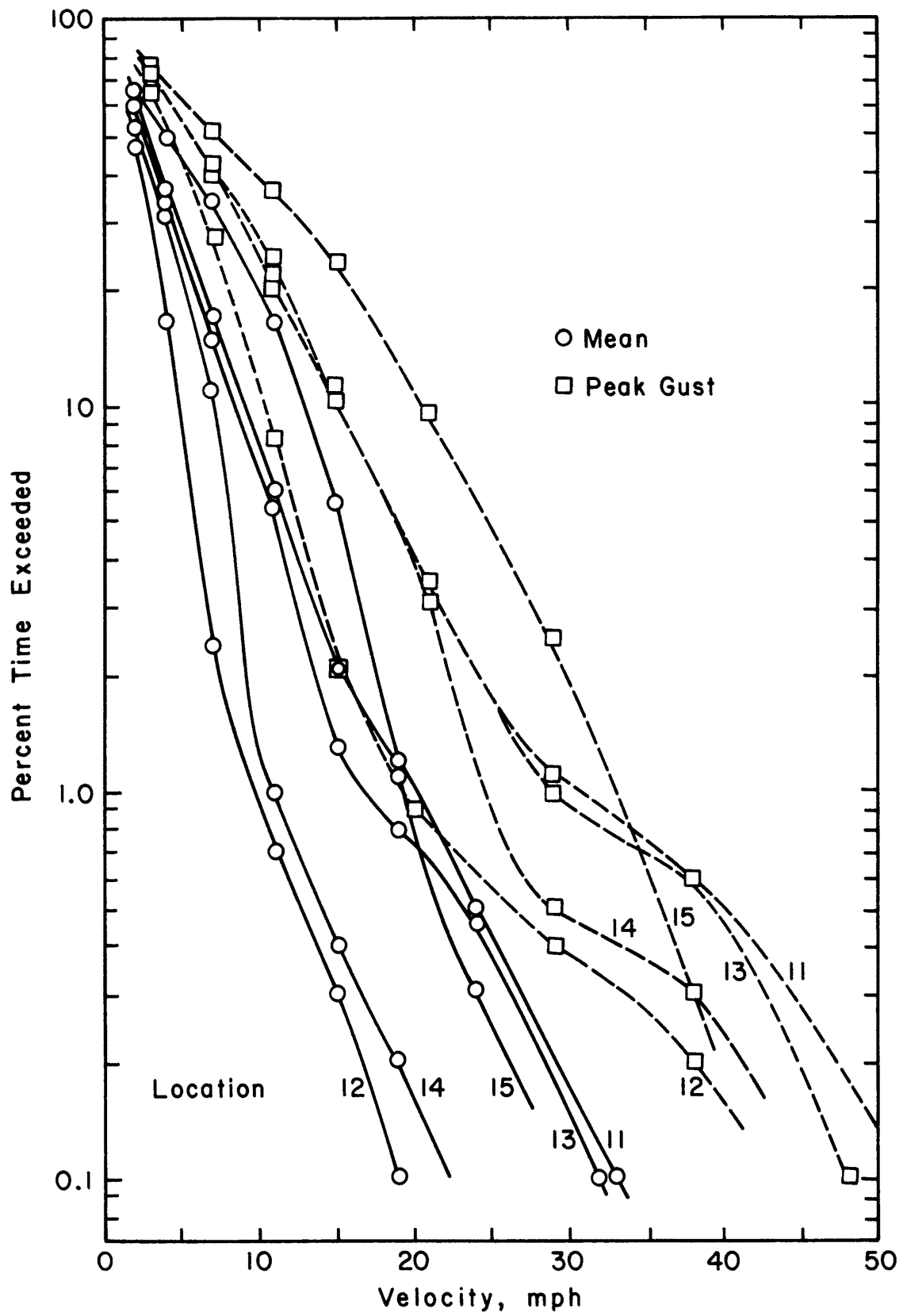


Figure 18. Wind Velocity Probabilities for Sites 11-15

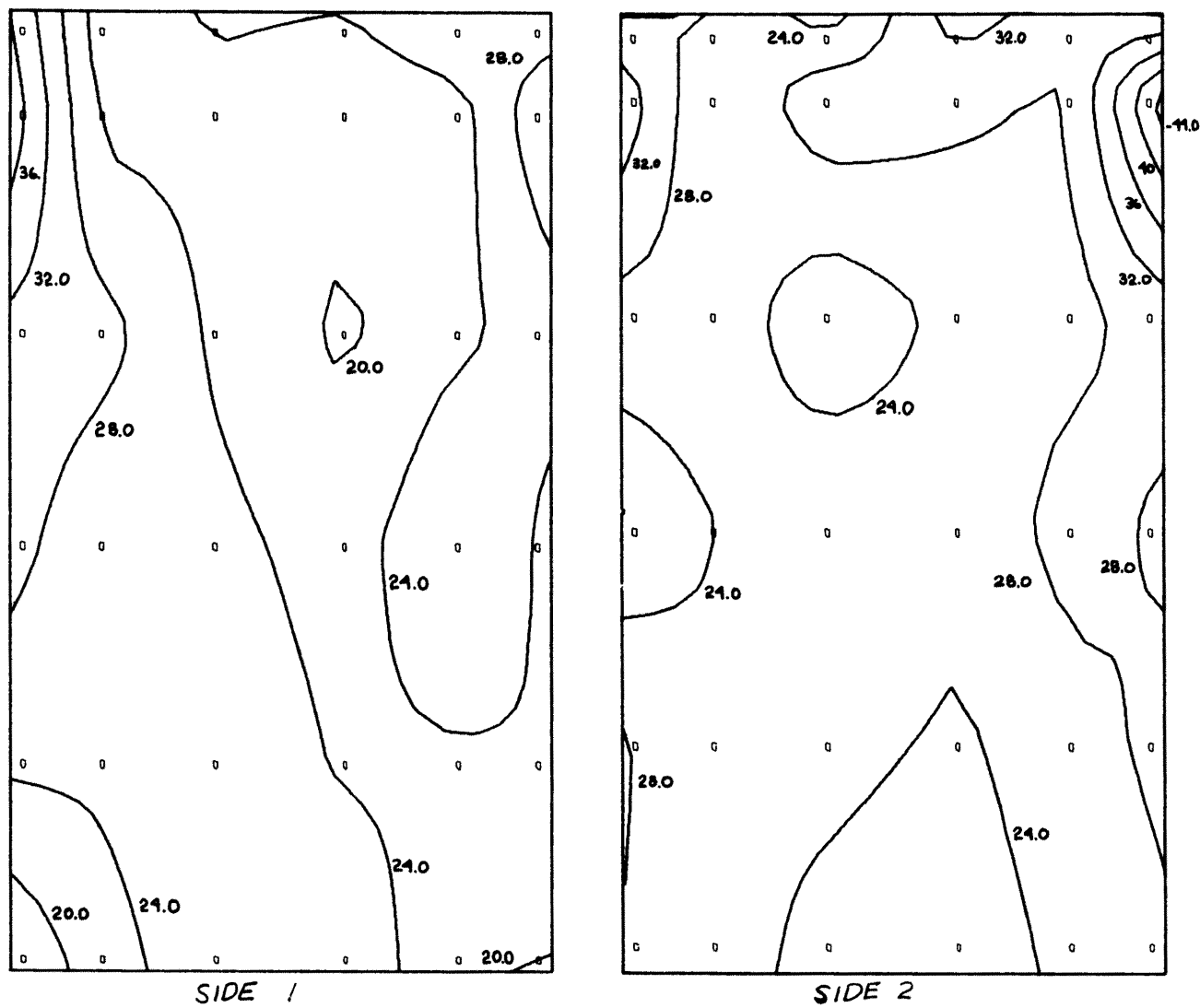


Figure 19. Peak-Pressure Contours on the Building

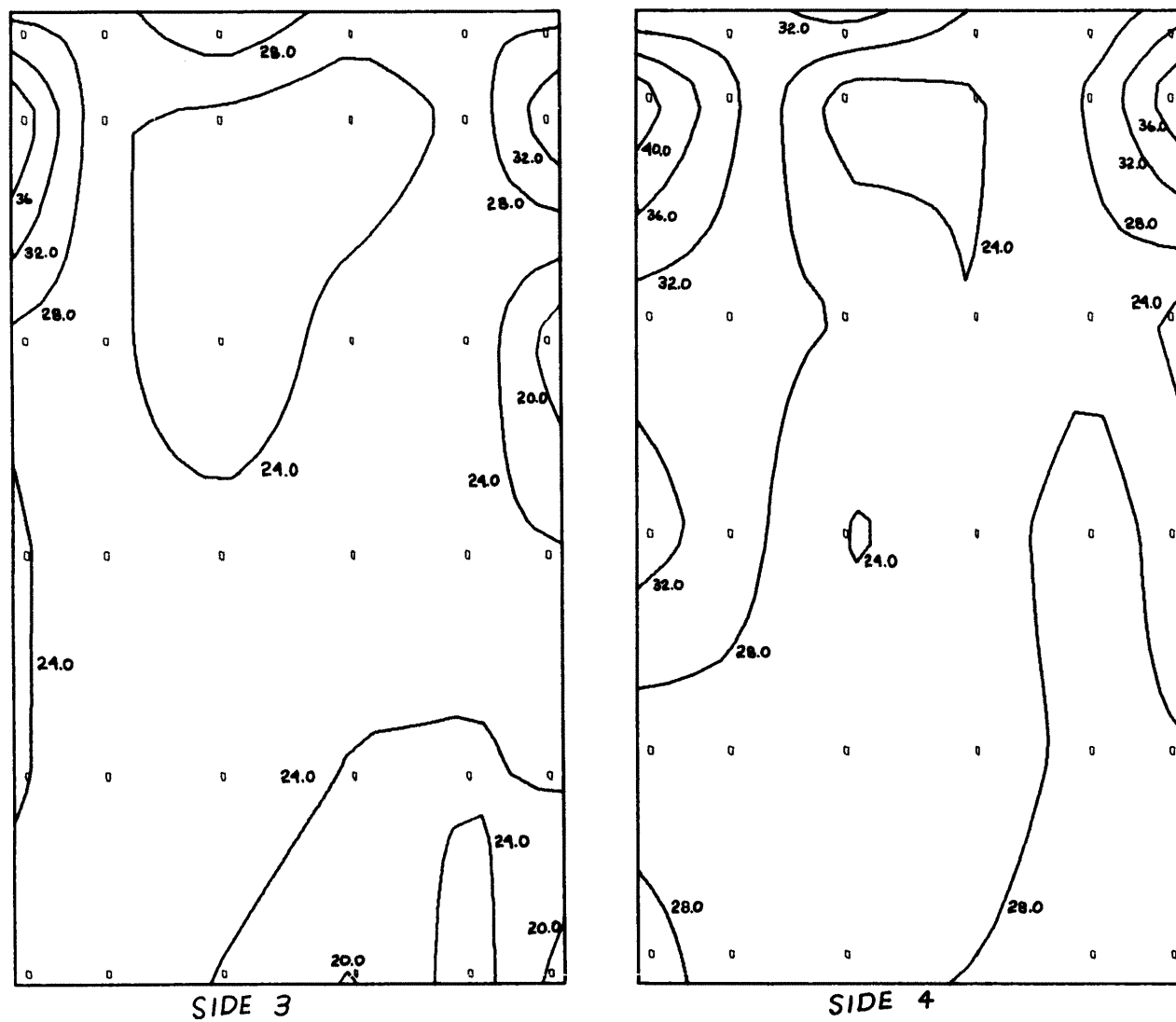


Figure 19 (continued). Peak-Pressure Contours on the Building

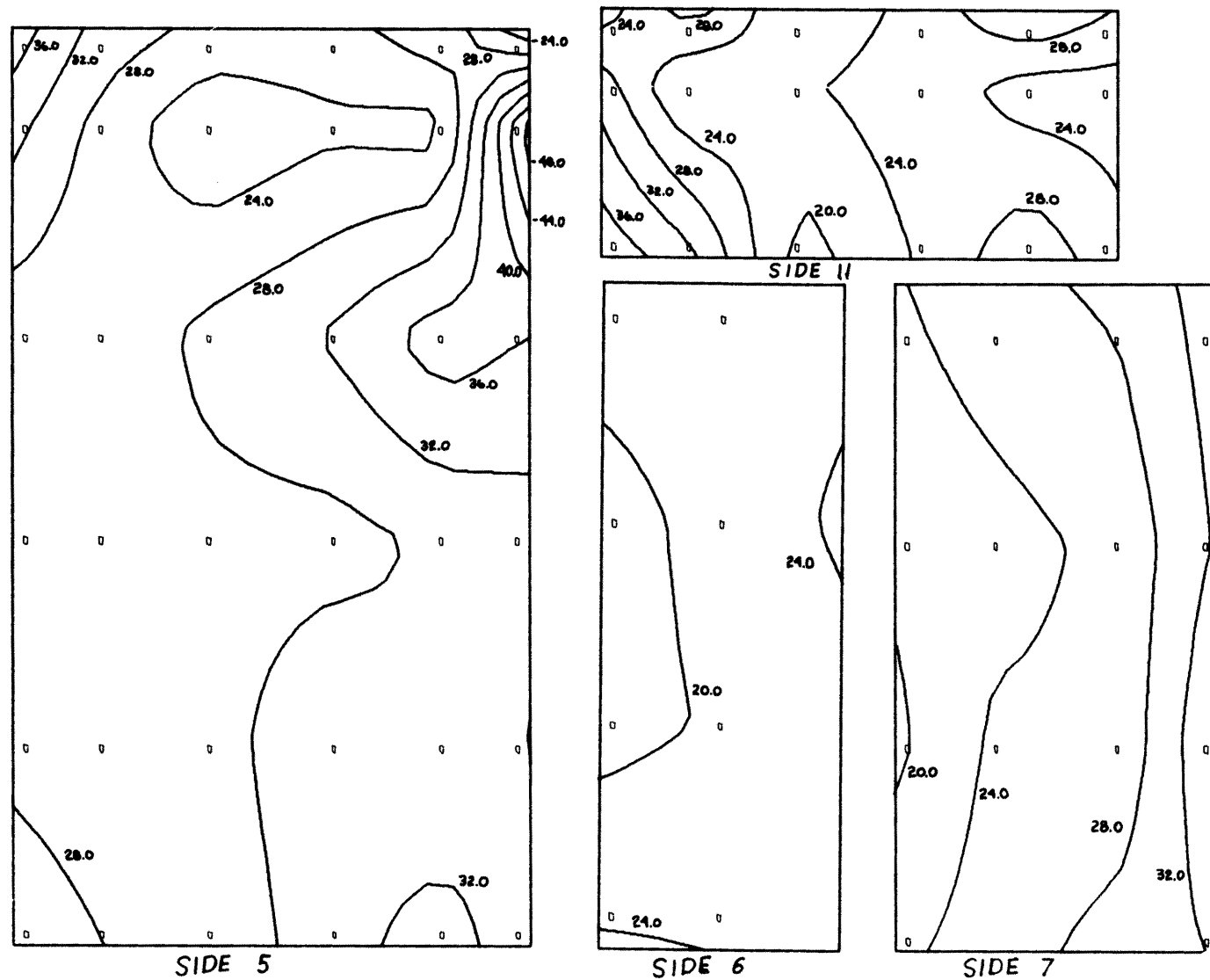


Figure 19 (continued). Peak-Pressure Contours on the Building

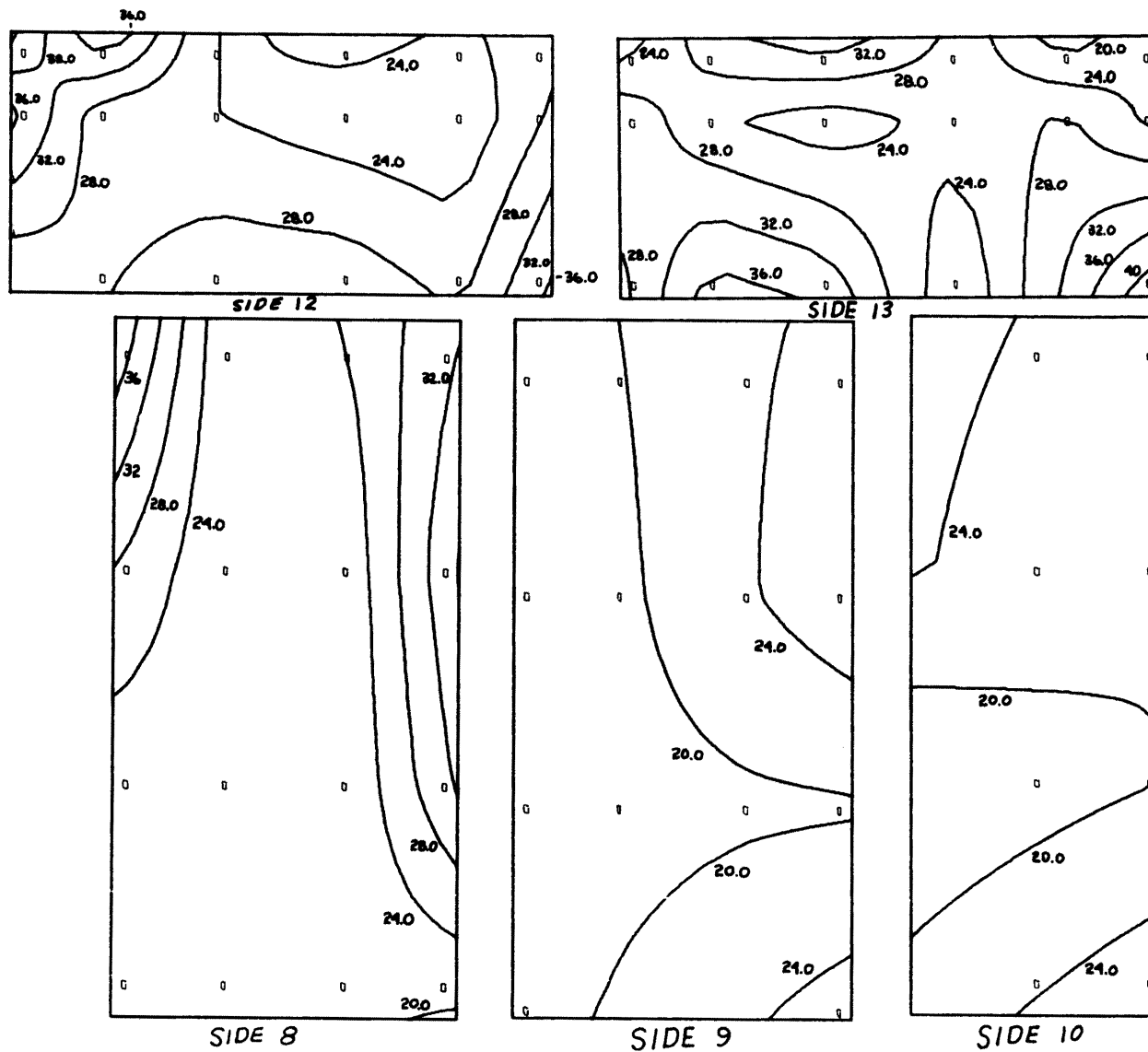


Figure 19 (continued). Peak-Pressure Contours on the Building